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Coordinating The SouthEast
AUG.,SEP.,OCT. 1993 3.00

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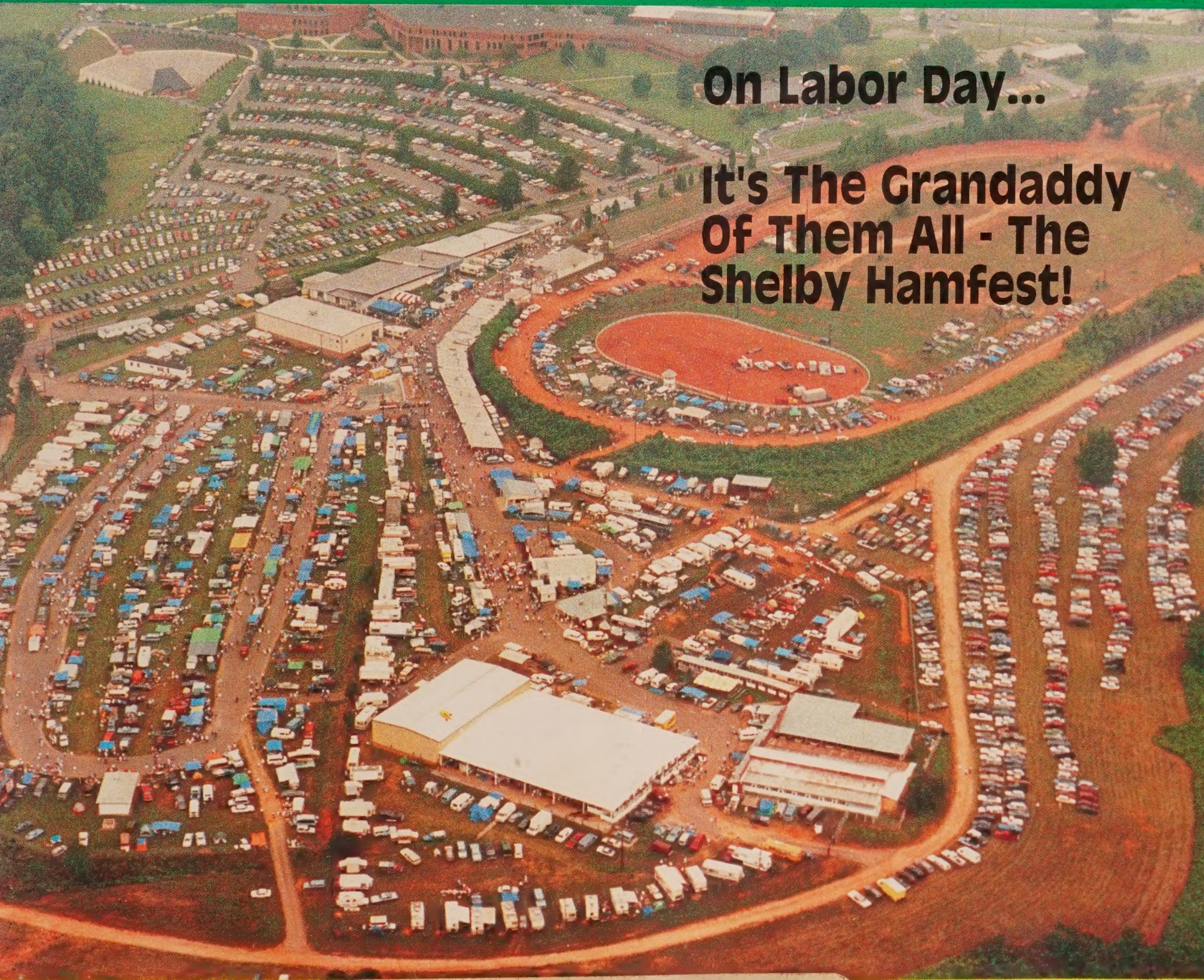
- ✓ Updated 8-State Repeater Listings
- ✓ Southeastern Hamfest Calendar
- ✓ VE Exam Schedule
- ✓ VHF/UHF Bandplans



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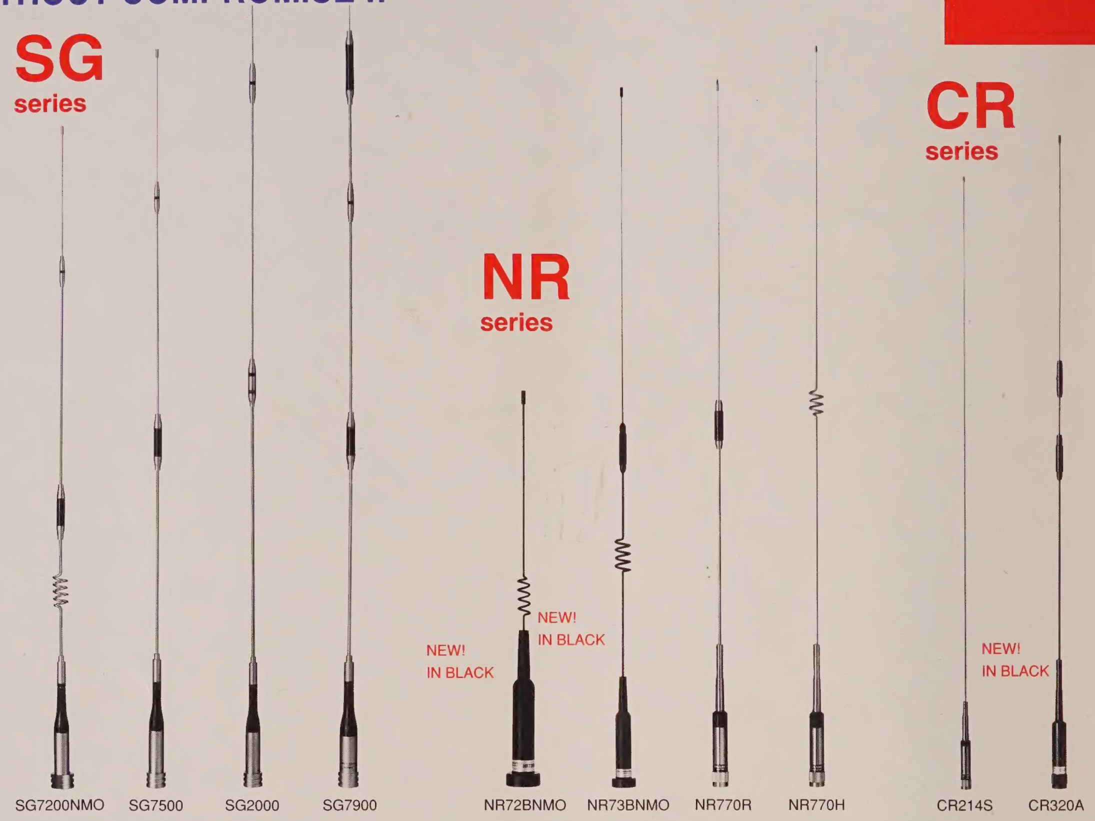

MODEL	BAND	GAIN(dBd)	POWER (w)	MOUNT	HT (IN)	ELEMENT PHASING
NR-72BNMO	2m/70cm	2.15	100	NMO	13.8	1/4 λ ,1/2 λ
NR-73BNMO	2m/70cm	2.15/5.3	100	NMO	33.5	1/2 λ ,2-5/8 λ
NR-770SA	2m/70cm	2.15/2.15	100	UHF	16.9	1/4 λ ,1/2 λ
NR-770HA	2m/70cm	3.0/5.5	200	UHF	40.2	1/2 λ ,2-5/8 λ
NR-770HNMO	2m/70cm	3.0/5.5	200	NMO	38.2	1/2 λ ,2-5/8 λ
NR-770RA	2m/70cm	3.0/5.5	200	UHF	38.6	1/2 λ ,2-5/8 λ
NR-790A	2m/70cm	4.5/7.2	120	UHF	57.5	6/8 λ ,3-5/8 λ
SG-7000	2m/70cm	2.15/3.8	100	UHF	18.5	1/4 λ ,6/8 λ
SG-7200NMO	2m/70cm	3.2/5.7	150	NMO	36.6	1/2 λ ,2-5/8 λ
SG-7500A	2m/70cm	3.5/6.0	150	UHF	40.6	1/2 λ ,2-5/8 λ

MODEL	BAND	GAIN(dBd)	POWER (w)	MOUNT	HT (IN)	ELEMENT PHASING
SG-7900	2m/70cm	5.0/7.6	150	UHF	62.2	7/8 λ ,3-5/8 λ
SG-2000	2m	5.2	150	UHF	62.6	7/8 λ
NR-140A	1-1/4m	3.8	100	UHF	36.2	5/8 λ
NR-124	23cm	8.4	100	N	25	4-5/8 λ
CR-214S	2m/1-1/4m	2.15/3.4	120	UHF	37	1/2 λ ,5/8 λ
CR-224A	2m/1-1/4m	5.0/6.0	150	UHF	68.5	7/8 λ ,2-5/8 λ
CR-320A	2m/1-1/4m/ 70cm	2.15/3.8/5.5	200/ 200/100	UHF	37.4	1/4 λ ,1/2 λ , 2-5/8 λ
NR-2000NA	2m/70cm/ 23cm	3.15/6.3/9.7	100	N	39	1/2 λ ,2-5/8 λ , 5-5/8 λ

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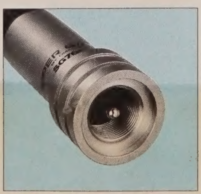

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REPEATER JOURNAL

The Voice of the SouthEastern Repeater Assn., Inc

Published 4 times a Year by SERA, Inc.

Aug.,Sep.,Oct., 1993

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FOR LOCAL ASSISTANCE

Repeater owners and users are urged to contact their individuallocal state SERA Directors/Vice Directors or Assistants for assistance, information, coordination or other needs as required.

Editorial Comment

Bits & Pieces about This 'n That!

MY ANNIVERSARY - Yep! starting up my 17th year as editor of the Repeater Journal. I always go back and look at some of the old issues - and things that have happened along the way. One thing that caught my eye - the ARRL National Repeater Directory was 86 pages and was FREE that year (1976). It's ads included the fabulous new Wilson MK-II and IV 5 channel H/Ts. Drake was plugging their R-4C and T-4XC and the most outstanding thing on the market, their UV-3 - a three band transceiver (2M, 220, 450). Kenwood was praising their new all-mode 2M TS-700SP. Tempo had their VHF/One Plus 2M Synthesized transceiver and a new kid on the market, ANCOMM S2-25. (Wonder where they went?) Clegg had their FM-28 and Cushcraft was bragging about their new FM gain Ringo. ICOM featured their IC-215 portable/mobile.

* * * * *

The Williams family is now a three ham family. My youngest son Chris passed his Technician license in JULY and should have his call in about 10 weeks. My wife Gerry is KB4SEL, and you know mine.

* * * * *

I'm Quite pleased the SERA Board gave Ray Adams the go-ahead to make SERA apply for a Club & Military Recreation Call Sign Administrator. We've got something in mind that will be quite unique - if we get one of the Administrator slots, and get one of the two call sign blocks we have asked for. Our plan is to bring back distinctive Repeater calls for those who want them. (We're talking nationwide, folks - Our administrator status would be for the entire nation.) A repeater group (at least two people) is classified as a club, so they could apply for a club call and put it on the repeater. We want to use the call sign block "NR" for this purpose. In the interest of advancing Amateur Radio - these distinctive call signs will be assigned only to repeater clubs who have their repeaters coordinated. We will have another call sign block to assign any clubs who do not confirm their repeater is coordinated. It has been over 13 years since the FCC stopped assigning distinctive repeater call signs.

The call signs will be like "NR4AAA thru NR4ZZZ" in the 4th call District, with appropriate numbers with the NR prefix for the rest of the country. Hope to have good news about this in the November Journal.

* * * * *

To reduce weight of the Journal, and reduce postage, we have changed to a new 40# text this issue. Will make the book a little thinner too. David is working on address bar-graphs which might be initiated soon (printed right on the label), which will also decrease postage which right now runs over $1,200 per issue.

* * * * *

I would like to extend a thank you to the dealers who carry the Repeater Journal in their stores for sale. They are distributing over 900 books each quarter for us. We presently have 20 dealers in 8 states.

* * * * *

There was a tremendous number of hamfests clashing on same weekends this year. If any of you need help finding an open date, perhaps we can help - give us a call. Clashing weekends does nothing for you or the show you are conflicting with. I think a lot learned some very tough lessons this year. Will you be able to pull out of it next year?

* * * * *

That's about all for now - thanks for your support over the past 16 years. Your comments (good or bad) are alway appreciated. We will continue to strive for perfection with the Repeater Journal. It is your book, about you - so participate when you can. Help us grow - show us off!!

-Wayne C. Williams, K4MOB, Editor

REPEATER JOURNAL

Aug.,Sep.,Oct., 1993
Volume 22, No. 3
ORGANIZED IN 1971
"In Our 22nd Year"

The Voice of the SouthEastern Repeater Assn., Inc

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About SERA Associate Membership (Repeater Users)

Amateurs, especially repeater users, are invited to join SERA as Associate Members. Only $8.00 per year will enable Amateurs to support the organization and receive the ***Repeater Journal.*** Associate Membership deadlines are the 15th of the month preceding months of publication -- Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Tobaccoville Post Office Box by these deadlines to receive the next upcoming ***Repeater Journal***, published the first week of February, May, August and November. Memberships received after any deadline will not receive next to-be-published ***Repeater Journal***, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships (***Repeater Journals*** mailed 1st Class rate) are limited to one year memberships at $14.25 per year. Regular membership ***Repeater Journals*** are mailed 3rd Class Bulk Mail. SERA does not issue receipts for Membership applications, nor are Journals forwarded to new addresses. If you move, we must be notified. Members should wait until next ***Repeater Journal*** comes out to report any problems. Write SERA Associate Membership, P.O. Box 215, Tobaccoville, N.C. 27050-0215. Associate Members may hold appointive offices and positions within the SouthEastern Repeater Association, Inc.

About SERA Full Repeater Membership (Repeater Owners)

Officers and Directors are elected from Repeater respresentatives who are SERA Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $20.00 should be submitted for the annual Full Membership fee. Two Full Members, named and listed on the application by the owner, receive the ***Repeater Journal*** from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index with a asterisk (*) code. All Full Memberships expire on December 31 of each year. Write SERA Membership, P.O. Box 215, Tobaccoville, N.C. 27050-0215.

About the SERA Repeater Journal

The SERA ***Repeater Journal*** is published quarterly, the first week of the months of February, May, August and November of each year and mailed free to members of SouthEastern Repeater Association, an eight state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material other than repeater indexes contained in the ***Repeater Journal.*** (See Important Note this page) provided proper credit is given. The ***Repeater Journal*** Editor will swap newsletters with other Repeater Councils, News organizations and clubs upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month, ONE month prior to publication. News deadlines are the first of the month prior to publication month. ***The Repeater Journal*** is entered as Third Class Mail at the Post Office in Greensboro, N.C. The ***Repeater Journal*** newstand cover price is $2.50 and is available from numerous retail Amateur Dealers in the surrounding 8-state area. (See list elsewhere this issue). All news and Newsletter exchanges should be mailed to the Editor: Wayne C. Williams K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

About the SouthEastern Repeater Association, Inc.

SERA, SouthEastern Repeater Association, Inc. is one of the largest, most well known non-profit Repeater Coordinating Copuncils in the United States. SERA territory covers over 1,700 repeaters in member States of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky, Georgia and Mississippi. SERA celebrates its 22nd anniversary in 1993 with a continuing goal - to serve the repeater owners and users of the Southeast by providing a voice of communications, information and education with the publication of ***The Repeater Journal***, and the guidance of our State (Director) Coordinators, officers and volunteers. Your support, comments and reccomendations are appreciated.

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FCC Accepting Applications

Club Call Sign Administrators About to Be for Real - Finally!

In June, the FCC released a Public Notice entitled *"Call for Club and Military Recreation Station Call Sign Administrators."*

The purpose of the notice was to announce that the Chief, of the PRB will accept requests from organizations interested in becoming an administrator beginning July 26. The organizations must include a listing of the twenty-six possible call sign blocks (NA thru NZ) in descending order of preference.

Requests received before the 26th date were not to be considered. Requests were to be processed in the order received. Each administrator will be assigned the first available block of call signs based on its preference listing.

At a future date, the FCC will announce by Public Notice, the names and addresses of organizations that have been certified as a club and military recreation call sign administrator.

Section 97.29 of the rules describes the requirements for a Club and Military Recreation station call sign administrator. Here are briefly some of the qualification requirements:

- Be an organization that has tax exempt status under Section 501(c)(3) of the IRS, and that exists for the purpose of furthering the amateur service.
- Be an organization whose membership includes at least one percent of the amateur operators licensed by the FCC.
- Be capable of servicing as a club and military recreation call sign administrator in all places where the amateur service is regulated by the FCC.
- Accept and process all properly-completed license applications forms 610-B received from qualified club and military recreation station license trustees and submit them to the FCC.
- Not charge applicants any fee or accept any form of reimbursement for services provided . . .
- Accept and process applicatants without regard to race, sex, religion, national origin or membership in any amateur organization.
- Provide the FCC with a license document and call sign, ready for endorsement and mailing withing 10 days.
- Provide the FCC each month, a data file for license documents processed.
- Issue public announcements detailing the policies and procedures of the call sign assignment system.

Since the filing period for those wishing to become a call sign administrator only ended July 26, we are unable to list any organizations who have officially filed.

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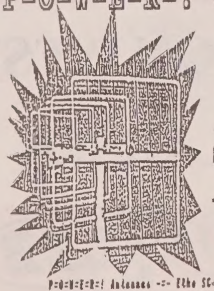

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SAREX Shuttle Flight

STS-58 will lift off on September 10. The flight will carry SAREX. Payload specialist Martin Fettman who has received his amateur call sign: KC5AXA. Pilot Rick Searfoss has also taken his amateur license exam.

SAREX flight STS-60 is scheduled for a November 10 launch.

SERA Files for Club - Military Recreation Call Sign Administrator

-by Ray Adams, N4BAQ, SERA Treasurer

SERA has promptly filed an application regarding designation as a Club and Military Recreation callsign administrator. The application was delivered to the appropriate FCC person on the morning of July 26th, the first date applications would be accepted.

SERA is requesting the "NR" callsign block (NRxAAA thru NRxZZZ) as well as a second alternate block.

We anticipate regenerating distinctive repeater callsigns while promoting responsibile coordination. The entire "NR" callsign block in all call areas will be reserved by SERA for those clubs who document they are operating a coordinated repeater.

(Keep in mind, the FCC defines a club as two or more people - making most repeater groups eligible for the distinctive callsigns if they are coordinated.)

At presstime, the Repeater Journal stated it did not know any certainty of the assignments, who had applied, or any other details.

The SERA Board, at its Summer meeting on June 6, authorized Ray Adams to proceed with necessary steps to arrive at the desired designation, and file appropriate documentation.

The FCC had by Public Notice announced they would not accept requests of this character before July 26, 1993.

At presstime, we told the Journal editor we were grooming the wording of the document for delivery by Federal Express on the morning of July 26.

The Board was told in June that SERA must apply in an effort to bring distinctive repeater callsigns back, if they are indeed to be brought back by anyone - ever again.

One of several qualifications for a call sign administrator was that the designated organization must have a membership equal to 1% of the Amateurs licenses outstanding in America.

SERA fills that qualification thanks to our Associate Membership. Without them, we would not have stood a chance ourselves. We feel sure no other coordinator in the country is even close to qualifying. We, of course, fill all the other required qualifications outlined by the FCC.

More on this exciting prospect later.

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SERA Assigns More New Digital Simplex Freqs

Upon recommendation of Wally Burkett, WA4KXV, SERA Virginia State Director, the Board at its June meeting approved 15 new 2M and 5 new 70 cm digital simplex frequencies.

Burkett was chairman of a committee asked to look into the possibility of getting more frequencies for digital use on the two bands.

The Board recognized the very bad need for additional frequencies for use in the exploding digital community and acted accordingly.

It was noted that many digital operators had spilled into 2M voice simplex channels due to overcrowding on their assigned channels.

The Board hopes with the new frequencies, many of the digital operators will move off of the voice frequencies and operate on digital-only channels.

A complete listing of all digital channels, as well as the entire SERA VHF/UHF Frequency Utilization Plan is printed on two pages immediately following the Repeater index in the center of this issue.

The new digital simplex frequencies are 20 KHz spaced. Here is a listing of all 2M digital frequencies. OLD frequencies are marked with an asterisk.

TWO METER DIGITAL SIMPLEX

144.91
144.93
144.95
144.97
144.99
145.01*
145.03*
145.05*
145.07*
145.09*
145.51
145.53
145.55
145.57
145.59
145.61*
145.63*
145.65*
145.67*
145.69*
145.71
145.73
145.75
145.77
145.79

The Board also added the following frequencies for Digital on the 70 cm band: **440.975, 441.000, 441.025, 441.050, 441.075.**

Digital councils, organizations and coordinators are asked to place these new frequencies in their plans as soon as feasible.

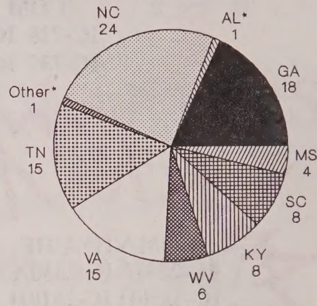
A Breakdown of SERA Membership by State

Note the pie charts.

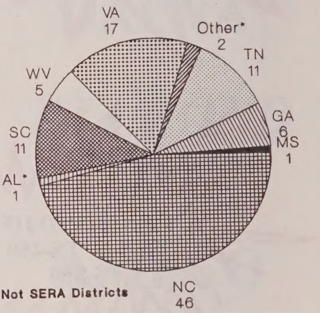
SERA membership is displayed in percentage of total membership. For instance, 46% of all SERA Associate Members reside in North Carolina, and 24% of all Full Members are also from that State.

Keep in mind some states have more hams than others. These charges are designed to show only percentages of overall Full and Associate Membership.

Full Members
% of SERA Overall



Associate Members
% of SERA Overall



•Not SERA Districts

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Cross Band Repeating Can Be A Source of Interference for Repeaters and Remote Base Systems

Special to the Journal
-by Bill Werner, W3EAO

As the popularity of VHF/UHF dual band radios with cross-band repeat mode has grown, so has the interference from them. Many repeaters have suffered problems, from someone picking a repeater input to use as a cross band output, to having these things show up on auxilary links. Also, there have been instances of deliberate interference.

The problem is this, while the ad's say how handy it is to repeat your local 2-meter repeater to 440 so you can monitor/work it with a UHF walkie, they have not mentioned the high possibility of interference to coordinated repeaters/remote bases, or that without additional equipment, this mode of operation is illegal.

It is illegal because the downlink transmission (e.g., from 2-meters to 440) are not identified. Legitimate repeaters have automatic ID's usually in CW, but these new cross band radios do not, and have no provision for them. These ID's are not just a bureaucratic nicety or a repeater sponsor ego trip, they are crucial when there is interference as quick action can be taken to notify the offending station.

Next, let's say you do find a way to put an ID'er on your radio, what frequency do you put it on? Even if you plan on using low power (just to broadcast around the house) and listen carefully before starting, you may still cause plenty of interference. That frequency you carefully picked may be the input of a repeater, coordinated remote base, or an aux link. While you may not hear other stations on the channel, the repeater can easily hear you. What can you do? Checking lists of coordinated repeaters from the ARRL Repeater Director or local frequency coordinators is a good start.

Please check with your local coordinator for recommendations before putting your cross band system on.

For the TMARC area, the frequencies of 442.95 and 447.975 have been designated for "temporary repeaters." These are for Builder's channel systems (special coordination status with TMARC) for full blown repeaters, single event stations, emergency operations, experimental stations, and cross band repeaters. Use these frequencies. And use CTCSS tones below 100 Hz. Other users of the channel should use CTCSS tones above 100 Hz. This should prevent interference problems. Check with us for frequencies for other bands, or if you wish to establish a repeater/ remote base on permanent basis.

Finally, pressure manufacturers of cross-band repeaters to include ID's, or at least provisions for them, so that these radios can be operated legally, without modification.

Thank you. Your cooperation is appreciated.

Editor's Note: Werner is the Chairman of the Frequency Coordinating Committee for the Middle Atlantic FM and Repeater Council (TMARC)

Western Carolina Amateur Radio Society/VEC, Inc.

An Amateur Radio Volunteer Examiner Coordinator

WANTED! VE TEAMS!

Now that Novice testing has moved into the VEC program, WCARS/VEC believes we must do our part to become more visible. We are particularly interested in seeing every Amateur Radio Club in America have at least one accredited VE team within its membership.

If you or your club are interested in forming a VE team, WCARS/VEC is ready to help. If you would like to join us, contact any of the WCARS/VEC persons below:

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Germantown, Tn. 38138
(901) 754-4552

Ray Adams N4BAQ
5833 Clinton Hwy, Suite 203
Knoxville, Tn. 37912
(615) 688-7771

Norman Harrill, N4NH
7 Skylyn Court
Asheville, NC 28806
(704) 253-1192

John Chism, ND4N
206 Lanewood Drive
Greenville, SC 29607
(803) 297-1617

WE'RE LOOKING FOR A FEW GOOD VE TEAMS!

Cross Band Repeating In SERA Territory

-by Wayne C. Williams, K4MOB, Editor

The Cross Band repeating situation in SERA Territory does not seem to be quite as bad as in other areas. A poll of some of our directors indicate they have heard few complaints. The Journal has had only minor complaints.

However, we do agree with the possible problems mentioned by Bill Werner of TMARC. We are lucky that we are not having as many situations occur as they are apparently having.

There are some rules each operator should and can easily abide by, as mentioned by the Directors we polled.

1. NEVER use ANY repeater input or output frequency as your simplex side for cross band repeating.
2. On your simplex side of cross band repeating - use an authorized FM VOICE simplex frequency. Do keep in mind, you might get stepped on by someone who doesn't hear the other side of your conversation.
3. If you must cross band into a repeater, BE SURE you contact the repeater owner and get his blessing before you do any transmitting.
4. When cross band repeating, simplex into a repeater - ID often, and mention you are controlling and working cross band repeat.
5. Never leave your rig unattended in cross band repeat mode.
6. Be very careful setting up your rig when you want to cross band repeat. Is each side in SIMPLEX or DUPLEX as you require?
7. If you receive complaints about your cross band repeating, SHUT DOWN immediately.
8. Following Part 97 rules to a letter, cross band repeating may be illegal, due to the inability of the system to properly ID, so you don't need to open a can of worms in a gray area - be careful, courteous, and pay attention to what you are doing.
9. If you have one of those cross band repeating rigs which can be remotely controlled by your H/T, be sure you have control over it at all times, in case something wrong occurs, you can shut it down. If you cannot, don't turn it on.
10. Cross band repeating should be a temporary situation - never on a permanent or long drawn out basis.

Following these very simple suggestions, may prevent any problems. Cross band repeating is fun, but not at the expense of others - so keep that in mind.

Authorized SERA voice simplex frequencies, and official repeater pairs are listed in the Frequency Utilization Plans published at the end of the Repeater Index of this issue. You might keep them for future reference.

Let's keep things calm in our area, be a gentleman, follow the rules, and we'll continue to have fun, which is what Amateur radio is all about.

Causing problems to your fellow ham is not fun for anyone.

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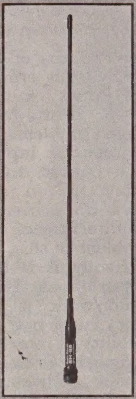
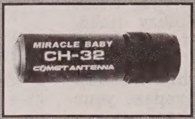
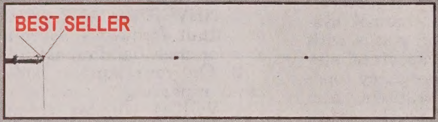


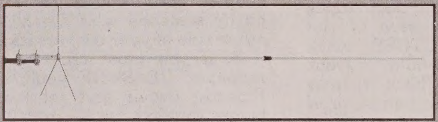


CH-32
Miracle Baby 146/446MHz HT
Gain & Wave: 0dB
Max Power: 10 watts
Length: 1.75"
Connector: BNC

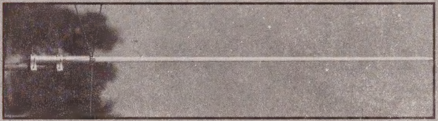
COMET™ DUAL-BAND BASE & REPEATER



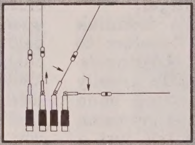
CA-2x4MAX
Gain & Wave:
146 MHz 8.5dB 5/8 wave x 3
446 MHz 11.9dB 5/8 wave x 8
Max Power: 200 watts
Length: 17' 8"
Connector: SO-239



CA-2x4WX
Dual-Band 146/446MHz
Gain & Wave:
146MHz 6.5dB 5/8 wave x 2
446MHz 9.0dB 5/8 wave x 5
Max Power: 200 watts
Length: 10' 2"
Connector: SO-239



CA-2x4FX
Dual-Band 146/446MHz
Gain:
146MHz 4.5dB
446MHz 7.2dB
Max Power: 200 watts
Length: 5' 11"
Connector: SO-239



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SH-55
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146MHz 1.5dBi 1/4 wave
446MHz 3.2dBi 5/8 wave
Max Power: 10 watts
Length: 15"
Connector: BNC

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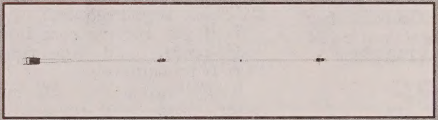
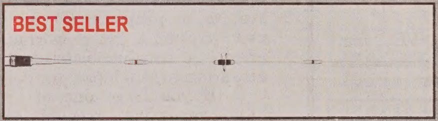
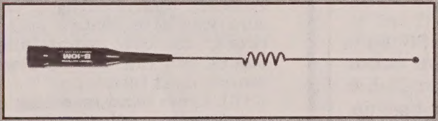


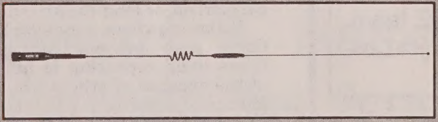
CA-2x4MB
Dual-Band 146/446MHz
Gain & Wave:
146MHz 4.5dB 7/8 wave
446MHz 7.0dB 5/8 wave x 3
Max Power: 150 watts
Length: 4' 10"
Connector: PL-259



CA-2x4SR
Dual-Band 146/446MHz
Gain & Wave:
146MHz 3.8dB 5/8 wave
446MHz 6.2dB 5/8 wave x 2
Max Power: 150 watts
Length: 3' 4"
Connector: PL-259

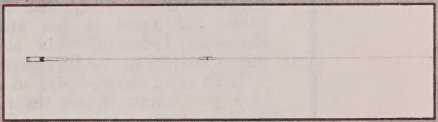


B-10/B-10NMO
Dual-Band 146/446MHz
Gain & Wave:
146MHz --dB 1/4 wave
446MHz 2.15dB 1/2 wave
Max Power: 50 watts
Length: 12"
Connector: PL-259 or NMO Style



B-20/B-20NMO
Dual-Band 146/446MHz
Gain & Wave:
146MHz 2.15dB 1/2 wave
446MHz 5.0dB 5/8 wave x 2
Max Power: 50 watts
Length: 30"
Connector: PL-259 or NMO Style

COMET™ SINGLE-BAND MOBILE



CHL-185
2 Meter Mobile Antenna
Gain & Wave:
4.1dB 5/8 wave
Max Power: 200 watts
Length: 4' 8"
Connector: PL-259

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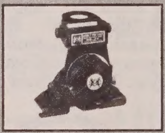
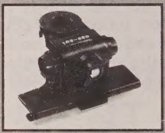
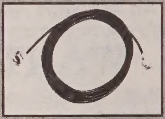


RS-21
Trunk, hatchback, rear door (van, blazer, etc.) mount. Adjustable to virtually ANY angle. Rubber-coated base protects vehicle paint.



RS-820
Heavy duty, low-profile trunk-lip mount. Rubber coated base protects vehicle paint, ratchet style dial lock.

CK-5M Deluxe Cable Assembly
13 feet double shielded very low loss coax. + 12" RG-188 teflon coax. Gold-plated UHF (PL-259/SO-239) connectors. Allows easy entry from a lip-mount w/o causing coax or weather strip damage.



3D4M Standard Cable Assembly
13.5 feet of low loss coax. Gold plated UHF (PL-259/SO-2329) connectors.

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Ethel Smith, K4LMB Named "Ham of The Year" by Foundation of AR

Ethel Smith, K4LMB

Special to the Journal, Via AUTO-CALL
-by Tony Young, WA3YLO, FAR President

It would require a book to relate to you the contributions Ethel Smith (K4LMB) has made to Amateur radio.

She has over 50 years in the hobby, starting in Washington State and winding up in the D.C. area in 1945, after some military assignments.

Her first "achievement" was a moving force in establishing the Young Ladies Radio League (YLRL) in 1939, and was it's first president. She helped form the Washington TVI Committee and was it's first president. Even the Foundation for Amateur Radio came into existence with her assistance. Since it's formation in 1957, she has been either a trustee, officer or editor of *Auto-Call* every year. She has edited *Auto-Call* magazine on two separate occasions for a total of over ten years.

A member of QCWA since 1961, she has spent about half of that time in executive board positions as she is in 1993. In 1981 she was elected as a director of the National QCWA, receiving the largest popular vote of any candidate in the history of QCWA. She has also been the President of five local radio clubs.

In the area of Public Service, Ethel was an NTS traffic handler and was also the Section Emergency Coordinator for Virginia for the three years ending in 1969. She was also an assistant director for ARRL for seven years and is an ARRL life member. Her awards from the league, QCWA, hamventions and clubs are too many to mention. They all point up what has always be so. If Ethel helps lead it, it will do well.

There are three words which are the basis for the Foundations "Ham of the Year" award. They are, significant, dedicated and sustained. Ethel Smith, K4LMB is all of these, and more.

(Editor's Note) The SERA Journal Staff worked with Ethel quite often, over the years, and met her several times at Northern Virginia hamfests.

The new editor of *Auto-Call* is Doug Allen, N3FHM

W5YI Predicts 1,000,000 Licensed Hams by 1998!

The July 1 issue of the W5YI Report had an item that said "One Million Ham Operators by 1998?

They went on to say that the Technician Class continues to be the fastest growing ham class by far. Prior to 1991, the Amateur Service grew at a trickle under 3%, but with the new Codeless Technician license, the service is now healthy and increasing at nearly a 10% rate.

The big unknown, W5YI said is the effect of renewals which will be resuming at year end after a five year hiatus. The five year voide was caused by a difference between the five year term and the new ten year license which began in 1984. Between Jan. 1989 and Dec. 1993, there have been no renewals, and no one has been dropped from the ham operator rolls.

The FCC is now in the process of developing a procedure to remind Amateurs to renew their license.

As for the one millionth ham, they indicate at the present growth, by the end of 1988, we will achive the 1,000,000 mark. By the year 2000, they predict we will have over 1,176,600 hams.

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Just for Repeater Owners!

Useful Tidbits of Interest

-by Wayne C. Williams, K4MOB

Over the years in the Journal we have presented special columns about hams, packet, hamfests, computers, equipment, and just about everything else. At the June Board meeting, someone hit on the idea. . .

Why not a column devoted to providing information to repeater owners only. So our inaugural column starts with this issue. We hope it will be of lite fare - no criticism intended, only helpful information to repeater owners and potential repeater owners and sponsors.

Your comments and suggestions will be welcome. We want this column to be a sounding board for hints, advice, practical applications and common problems and solutions from one sponsor to others. We hope this column can grow and be of much value to repeater sponsors. Often we will include information about interferance, how to handle it, what to do if you are not coordinated, and other selections from our Coordination Policy, to ease the burden of operating a repeater. Send your brief comments to the editor. (Name and address on Page 2)

Just for Repeater Owners!

One of the most important tools your local coordinator has, is information about YOUR repeater. When he has to coordinate a nearby repeater, he is frantically searching for frequencies. Complete information about all known area repeaters gives him the input he needs to make a good coordination which will not bother you or the new repeater later.

This brings us to the DATA SHEET which is mailed to you every year. Please take the time to look it over, correct any errors, make any changes, fill in any blanks and return it on time. This is to your advantage. For many I'm sure it seems like a redundant effort, but I can assure you, it is worth it for all concerned.

David Ward, KA4LVO, Records Chairman said he plans to mail out data sheets around October 1st. Please complete and return it as soon as feasible.

* * * * *

The ARRL Repeater Directory receives updates from SERA in January of each year for the upcoming National Repeater Directory. Data Sheet information is used in a reformated state to supply the ARRL with only the information needed for their publication. "Confidential" information included on SERA Data sheets is not given out.

* * * * *

Full Memberships of SERA repeaters - Please remember, the two persons you name as Full Membership Representatives are the only two persons in your club who will have SERA voting rights, and receive the Repeater Journal. We generally recommend the Trustee as one representative, and the naming of one additional person.

* * * * *

The code: # UNCOORD, listed beside a repeater in the Journal repeater index, indicates an uncoordinated repeater. The Repeater Journal does not descriminate against any listings, nor do we recognize or condone any uncoordinated systems. It is placed in the magazine merely to inform the readership of such a system.

If you own a repeater with such a listing and you would like to be coordinated, or you feel your machine has been coordinated, contact your local State Director, Vice Director or Assistant (coordinators). They will be glad to work with you and resolve the situation. NOTE: only the local coordinator can order the uncoordinated symbol from the index. The SERA computer manager cannot without his permission in writing.

Coordination is not required, but according to the FCC, in cases of interferance between an uncoordinated system, and a coordinated system, the uncoordinated repeater bears primary responsibility for solving the problem.

* * * * *

We would like to mention also: SERA Full Membership IS NOT required to receive assistance, coordination, or listings of your repeater. We do not charge for our services. However, since we are a non-profit organization membership fees supply us with the necessary funds to carry on our work. So, although not required, we DO solicit your support through Full Membership. The data sheet you receive in October will have a place on it to join or renew - we hope you will.

* * * * *

Tis the season for interferance - with Summer and early Fall, temperature inversions abound. Signals carry a long distance, especially in early morning and evening hours. It will all end as cooler weather comes. Hang in there!

* * * * *

And a final tip: It you have someone causing interferance to your repeater - (1) check carefully and see which repeater he/she is talking to, (2) get the callsign and their location, (3) document times and conditions. THEN CALL THEM ON THE PHONE and have a gentlemanly discussion. Chances are they will cooperate. You can ask them to lower their power, adjust antenna system, go to a directional antenna, or control operating times.

NEVER chastize them on the air!

* * * * *

That's enough for this issue. Remember the column is for you repeater owners and sponsors. Let us hear from you. Meanwhile, we and all the other users around sincerely appreciate you providing us with a system that enables us to enjoy ham radio on the VHF/UHF frequencies. We know owning and operating a repeater is a rough job, and costs money and lots of dedication, but we thank you for it!

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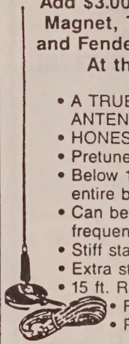

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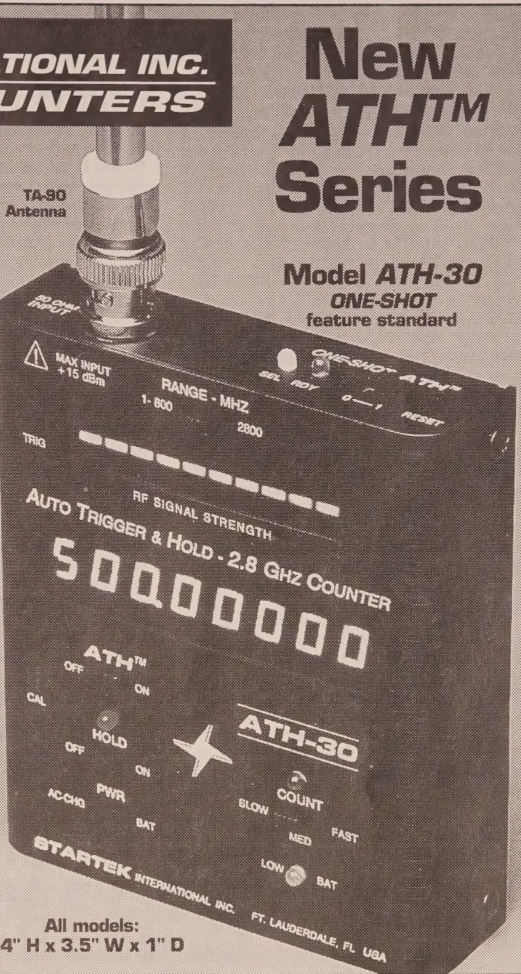

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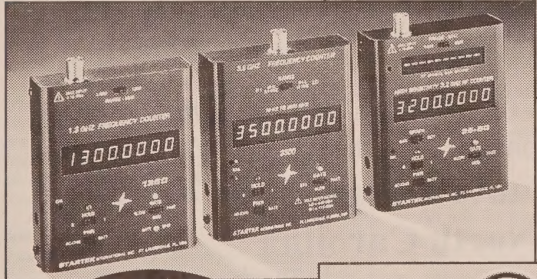

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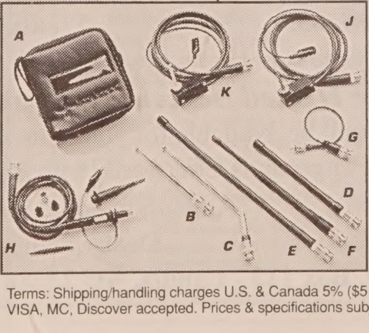

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A Super Transmitter Hunt - or

Fox Hunting For a Balloon

-by Ted Wolfe, WD4KHL

The cover story for the last issue of the Journal (May-June-July 1993) concerned fox hunting or an organized search for a hidden transmitter. In June we here in southern West Virginia had a whopper of a transmitter hunt as we sought the payload from a ham sponsored balloon launch.

First, a bit of background. A group of hams interested in ballooning and ATV from the Huntington area, headed by Ron, WA4GSS, and Seth, KB8KMI, launched balloons in April and and again in June.

Many who followed the April launch and subsequent search by ground parties over the linked repeater system thought "that sounds like fun," and wanted to get in on any future launches and chases.

To that end a weekly Monday night net was held during May, again over our linked repeater system. As chase teams were organized, satellite operators were sought to provide azimuth and elevation reports if they heard the on board beacons, and sponsors released details of the beacons, the on-board repeater, the frequencies and such, more and more hams climbed on the bandwagon.

The balloon would be launched from the Huntington area, attain an altitude around 120-thousand feet and then deflate. That would be followed by a 35-thousand foot free-fall until the parachute was deployed to slow the balloon's descent.

The flight payload would include two ATV cameras, one black and white, the other a color camera (believed to be the first color ATV camera carried aloft by a ham sponsored balloon). Also on board would be a 2-meter repeater (146.52 in, 144.340 Mhz out), plus telemetry beacons on 10-meters and on 147.450 Mhz.

The Huntington launch was to be coordinated with another launch in New Hampshire by another group of hams there. Coordination was by long distance phone. The New Hampshire balloon went up two minutes after the one from the Tri-state region.

The six ground tracking stations were operated by: N8VIS -- James Stiles, Huntington; N8UXE -- Joseph Pickens, Jr, Given, WV; N8GXF -- James Williams, Jr., Whitesville, WV; W4LYZ -- Charles Huffman, Ashland, Ky; WD8RGS -- Ron Ferrell, Belpre, Ohio (the most distant), and N4OKL -- John Harmon, Charleston, WV. As launch day arrived the weather failed to cooperate. Saturday, June 5 was windy and overcast with much cloud cover, and after waiting several hours the sponsors had to scrub the launch for that day, disappointing many. But when the net control operators polled those who had checked into the net to determine how many would be around to try the next day, Sunday, most elected to return for, by now they were hooked.

The linked 2-meter net was activated about 8:00 a.m. Sun Jun 6 on repeaters in the Charleston, Huntington, Liberty and Parkersburg areas. Prior to the launch it was decided to move the launch site from the airport in Huntington to a smaller one nearby at Minford, Ohio (northeast of Portsmouth).

By that time a total of thirteen chase teams were organized (two or more hams to a vehicle), including two aeronautical mobiles, Air One and Air Two, and half a dozen operators with satellite experience had their stations up and running to track the balloon's transmitters. Net Control assignments were complete with alternates standing by. The net on 40-meters reported deplorable band conditions.

Before the day was over more than 200 ham calls had been logged by net control operators on the linked system from locations in Ohio, Indiana, Kentucky, West Virginia, Pennsylvania, Virginia, Tennessee and North Carolina. The net was aware of two other repeaters joining the linked system during the day to listen to the activity but from the check-ins it appeared even more may have linked without official notice. Most of the repeater activity, however, was of a regional nature from the area covered by the search.

Net Control operators on Sunday were N8SAT and WA4ICM. Also active was Phil, K8MHR in St. Albans, while Tiny, N8MFV, was on standby if needed.

The balloon was launched from Minford at 12:08 p.m. EDT.

Loss of signals from the balloon was reported in the Charleston area just before 2:00 p.m., indicating the balloon was near the ground in its descent. It was then that the chase teams' work began in earnest. Plotters gave them the predicted landing spot. The balloon had flown a course of 125 degrees from Minford and covered a distance of 67 miles.

A team on foot in hilly terrain finally located the balloon and its payload. Andy Wright, in a search team headed by his father, was credited with spotting the

Continued on Page 13

It's The 14th Annual:

Cabarrus Amateur Radio Society

Concord Hamfest - Swap Meet

Sunday, November 7th, 1993 ***8 am until 4 pm***

Our Second Year At the

★★★ **Cabarrus County Fairgrounds** ★★★

Concord, North Carolina

ARRL
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Talk-in Frequency 146.655 / .055 **Plenty of *FREE* parking**

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Rental Tables will be available for your convenience.

Free Tailgating in the Fairgrounds Courtyard (with Admission ticket)

FCC Examinations

(By Preregistration Only)

Admission $4.00 advance, $5.00 at the door.

Dealer Setup Starts at 6 am.

C.A.R.S. Hamfest - P.O. Box 123 - Landis, NC 28088 - (704) 857-6010

SERA Repeater Journal Advertising Rate Card

Effective 1 June 1993

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Advertising invoices are due upon receipt. Unpaid invoices will require us to withhold any additional ads in future issues until account is paid in full. NOTE: Pages 4 & 5 (facing color pages) are preferred up-front of book color positions and are guaranteed under 1-year contract only. In some instances, facing pages 8 & 9 are available for spot color. For availability call the editor.

SPECIFICATIONS

Sizes listed Above are width by length in that order. Ads received that do not fit dimensions will be adjusted to the nearest ad size and be billed $8.00 production fee. The ad will be billed at the size rate it had to be adjusted to.

Prices quoted are for exact size, camera-ready positive photoprint or pasteup. Full color ads for covers require negatives, right-reading emulsion down. 150-Line screens preferred. Camera work, design, typesetting, pasteup is available at a nominal charge.

The Repeater Journal cannot be held liable or responsible for errors in advertising, or to the quality or accuracy of advertising claims.

When possible, advertisers requiring typesetting or composition by the Repeater Journal staff will receive a proof with time for telephone corrections. After deadline proof changes to an ad are not available due to staff and time limitations.

All advertising copy and insertion orders should be sent to the Repeater Journal Advertising Manager: Sharon Ward, P.O. Box 215, Tobaccoville, N.C. 27050. Ad copy deadlines are the 1st of the month, prior to month of publication. New ad insertion order deadline is 10 days prior to copy deadline. The Repeater Journal cannot guarantee publication of any advertising that arrives after deadline unless prior arrangements are made with the Editor or Sales Manager.

AD & COPY DEADLINE DATES

FEBRUARY ISSUE - January 1,
MAY ISSUE - April 1,
AUGUST ISSUE - July 1,
NOVEMBER ISSUE - October 1.

The Repeater Journal is published by and is the voice of SERA, INC.

Fox Hunting For A Balloon

Continued from Page 12

balloon high in a treetop near dusk. The team was unable to retrieve the balloon at that time so the location was marked and Jim, KD4HPQ, lead a team in on Monday to retrieve everything intact. The balloon had landed two miles from the top of Sumerco Mountain in the Hilbert Public Hunting Area 3.5 miles off Joe's Creek Road (Latitude 38.15.21, Long. 81.54.41).

hThey were Rob, WM8S, and Tiny, N8MFV.

A post recovery or critique net was held on the linked system on Monday night, June 7 and ran from 8:00 to 9:35 p.m.

It began with a phone-patch connection with Bill Brown, WB8ELK, in New Hampshire. He reported equipment aboard their balloon did pickup the output of the repeater in the Huntington balloon but a desense problem in the latter negated plans for balloon to balloon repeater relay. It was first thought that no one made a successful contact through the onboard repeater but later it was disclosed that an Ohio ham from near Columbus, worked Seth, KB8KMI, before the desense problem became too pronounced.

A suggestion was made that the next launch include a cross band repeater to eliminate the desense problem.

Brown, upon signing off, said anyone interested in balloons and Amateur Television should be aware of the convention planned in Denver, Colorado, on Aug 20, 21, and 22nd, at a Holiday Inn there of the EDGE OF SPACE SCIENCES organization. He indicated a number of seminars of interest to hams will be on the program for the three day convention.

Ron and Seth requested those who received and recorded good video from the onboard cameras to provide copies to the sponsors so they could integrate the footage into a video they are preparing on all phases of the flight. The completed video will be distributed so those who took part can view the whole effort from launch to recovery.

And the consensus at the end of the critique: Almost everyone said "let's do it again soon!."

And that is likely to come about in the fall after the foliage begins to thin out. And that will give the balloonists time to prepare a more sophisticated electronic payload for the next launch.

Ted Wolfe covers West Virginia in the Repeater Journal - every quarter - every year!

SERA Dedication

The Roanoke club (RVARC) made sure they had a SERA booth set up at their Hamfest in May. They made sure someone was there to man it, and solicit members for SERA.

Result - 18 new members in 4 hours. Many thanks to Steve Blevins, N4XXA and Bob Anderson, K4UMK. They do it every year.

We appreciate it!

New from England—

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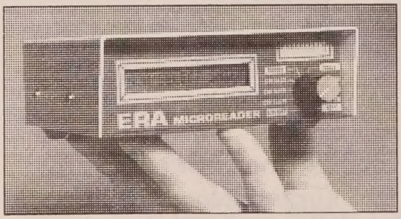

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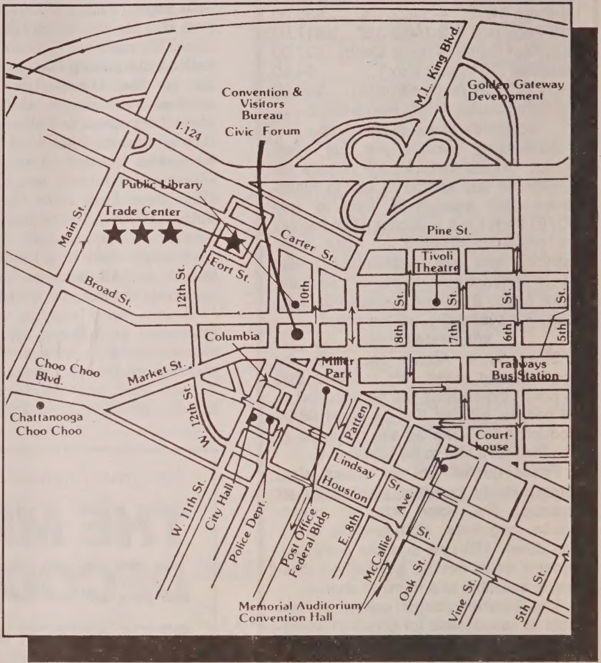

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The small uninhabited reef 4 to 5 days by boat off the coast of Austrailia will be activated soon. Mellish Reef ranks in the top 20 most needed countries among surveyed DX-ers. It will be an exciting and fun time for all.

VK9M will be operating from September 19 thru 28 on 160 - 6 meters plus WARC Bands on SSB, CW and RTTY. Five stations will provide around the clock operation.

Operators include: VK4CRR, VK2JBL, VK2BEX, P29DX, V73C, WA4DAN, K5VT and G3WGV.

While each participant is contributing personally to the costs of the DX-Pedition, it will be necessary to acquire additional assistance. Your consideration in making a donation will be helpful and appreciated. All donations returned if for some reason the DX-Pedition should be cancelled. All licensing, boat and landing permits have been obtained.

Send your contributions with S.A.S.E. to:

MURRAY D. ADAMS, WA4DAN, 403 East 14th St., Greenville, NC 27858 or to BILL HORNER, VK4CRR, 26 Iron St., Gympie, QLD 4570, Australia.

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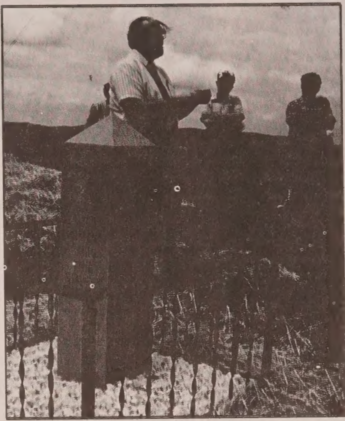
Memorial Marker for Hams On Briarpatch Mt.

-by Dave Nicholson, N4VMB



DEDICATION OF SILENT KEY Memorial of deceased members of the Briar Patch ARC. Rev. Charles Mackey, N4XNE conducted services with families of deceased and members of the club present during field day weekend. (photo - Dave Nicholson, N4VMB)

Members of the Briarpatch ARC took time-out from field day activities on Birarpatch Mt. to dedicate a memorial marker honoring silent key members of the club.

The Rev. Charles Mackey, N4XNE, pastor of Hillsville, Va. Christian Church presided.

Junior Diamond, N4VL read the list of names and had a few remarks about each person honored:

Bill Austin, KA4JIM; Phil Berry, N4AKZ; Dave Boggs, KI4AC; Al Dyson, W4PDL; Bayne Fielder, KI4DP; Barry Hill, WD4BXW; Wallace Jones, KN4HA; Robert Lanter, WA4GJQ; Charles Litz, WD4DFK; Bill Penny, W4TAT; Bill Shaw, KE4LI; Jim Swiney, N4XWL; Jim Vaughan, WA4AAD and Warren Wright, WA4LMI. Several family members of the honored were present.

Earlier this year, the club voted to erect a granite marker honoring deceased memnbers. Old club minutes and rosters were researched and fourteen names were found. Each name and call sign was engraved on individual copper plates which were mounted on a framed oak board attached to the granite marker.

With permission from the Wright families, owners of Briar Patch Mt., the marker was placed near the club repeater tower in a five foot square area, enclosed with an iron fence and filled with white rock for protection. Grass and wild flowers were planted in the immediate surroundings.

1993 Madison Hamfest

Lion's Club Fairgrounds
Madison, Georgia
Sponsored by Confederate Signal Corps, Inc. **(W4VTA)**

Saturday Only, August 28, 1993, 9:00 a.m. to 5:00 p.m.

Talk-In 146.865 MHz

Free parking at Hamfest site
All Admission $5.00 (includes 6 prize tickets)
Admission Includes Fleamarket Tailgaters
Setup allowed after 6pm on Friday
6-9am on Saturday
Awards drawing 5:00 p.m. Saturday
Major Prizes: First Prize - TS-450 S Kenwood
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Fourth Prize - CN 460 M VHF, UHF, SWR, Wattmeter
Prizes Courtesy of Alabama Radio

VE exams Saturday 9:00 a.m. at Ramada Inn
Walk-Ins bring original license and copy.
Hot dogs, hamburgers, cold drinks and coffee on site.
Special Rates at Local Hotels
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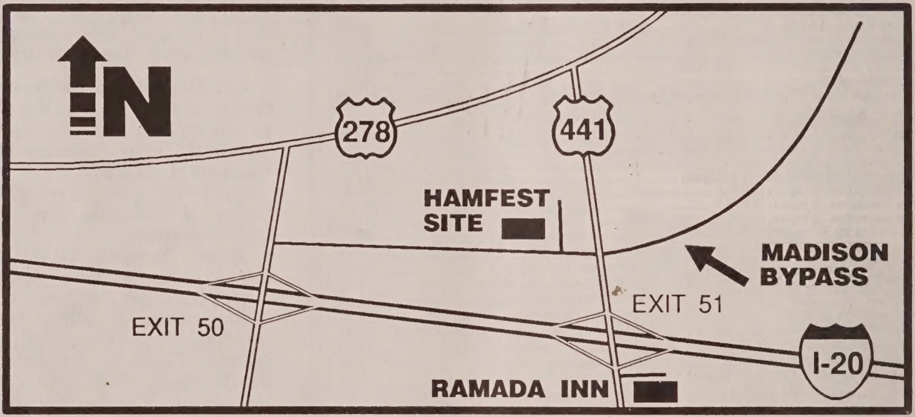

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ALL INSIDE TABLES HAVE BEEN SOLD. CALL AFTER JULY 1ST, 1993 FOR CANCELLATIONS.

For more information, contact:
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5667 Raintree Trace
Oakwood, GA 30566
(404) 967-2466

NORTH CAROLINA NEWS

-by Gene Fegely, K3EJG

News To: 115 Randomwood Lane, New Bern, NC 28562

June and Field Day operations end the spring activities of many clubs. This year, eager to try out a new camcorder, I visited six sites in a 190-mile trek around Eastern North Carolina. Ray Hemphill, KI4SJ; Charlie Gould, KC3SB; Wil Landis, K1VJQ; and Robby Robinson, KC6DVO; along with others, began setting up antennas at the New Bern ARC's new location along Route 17 South about 8:30 AM.

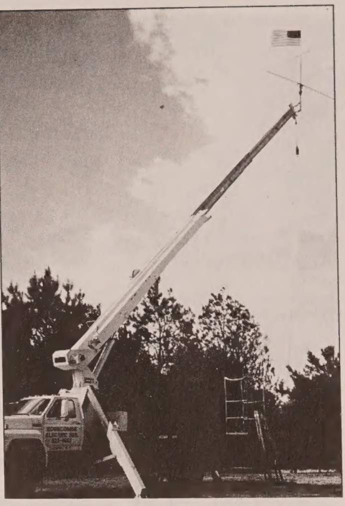
On to Newport

Leaving them in the middle of a sprinkling rain, I next visited the Carteret Radio Club at Newport, where Andy Griffith, W4ULD; was supervising the HF antenna installation and Jon Willis, KD4WIZ; was assembling a veritable Christmas tree of aluminum for sattelite contacts. Bob O'Bryan, W4YMI, was seated, but ready for any sage advice he could offer.

Art Sylvester, KC4QD, and another member whose call I missed were participating in one of the major purposes of the day, explaining amateur radio to a visitor from Minnesota, Jerry Stigsell. They attempted to drop a message on my packet mailbox, but when I got home it wasn't complete.

The Carteret group is in its second year and has become a vital part of the amateur community. They will offer a Novice and Tech class next January, reported Carl Capps, N4TIE.

Then I scrounged a hamburger and left for Greenville and the Brightleaf ARC encampment behind Belk's at Carolina East Mall. Prominent on the skyline was a tribander held aloft by a construction crane. Their new emergency trailer was prominently displayed, also. Prexy Bernie Nobles, WA4MOK, was in charge, and Bob, KD4VBC; Joyce, KE4CTL; Mike, KD4MTT; were operating various stations. (Sorry I didn't get last names.)



The Brightleaf ARC of Greenville was one of many sites that boasted antennas mounted on construction cranes. Here the American flag is displayed. Atop their other tower was the North Carolina emblem.

Russian Amateur Nick Kholodkov, UV3GZ/KD4SXB, operated at the Tar River ARC Field Day contest, using his American call. At the logging keyboard is John Buckner, KM4UZ. Nick had attempted an upgrade to Technician, but wasn't able to translate the English successfully.

Russian Novice Honored

Joe Melton, W4SLF, then became my host and drove me to the Tar River ARC site in Pinetops. Here Charlie Parker, N4JTG, greeted us with a bright blue T-shirt commemorating the Field Day activities being held at the antenna farm site of Ron Bridges, N4BNO.

Club Prexy Jim Lewis, KO4PE, said the group was honoring the presence of a Russian amateur by using his American Novice call, KD4SXB. At that moment, Nick Kholodkov, otherwise known as UV3GZ, was

Continued on Page 20

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NORTH CAROLINA NEWS CONTINUED

Jon Willis, KD4WIZ, of the Carteret County ARC gives direction to two of the many helpers he had as the group put up a five-antenna system to utilize the sattelites for field day contacts.

Recent novices Joyce, KE4CTL and Bob, KD4VBC, operate the Greenleaf ARC station and give the observers knowing grins.

completing his testing for an upgrade to technician.

Unfortunately, Nick had to translate the questions himself and wasn't quite fluent enough to get the upgrade. However, back in Moscow he has over 2000 contacts and is quite active in contests. He took first place at ten meters in the WWDX contest back in 1979, he admitted. He is a radio engineer for Aeroflot at Moscow Central, maintaining the Air Traffic Control equipment.

Nick went to the novice station to operate a little ten meters and pose for a picture for me. When he realized conditions were unfavorable for contacts, he shifted to CW mode on 40 meters. As a left-hander, he simply flipped the keyer over and began to pump out CQ FD at a 10-plus speed! John Buckner, KM4UZ, reminded him to slow down a bit.

Nick visited the US before, but will remember this trip not only for field day, but he managed to play golf for his first time. He was a little unwilling to share his score, but I understand it was a 47-51, 98 round. Not bad for a novice!

On to Kinston

Leaving my fine escort, Joe, at Greenville, I hurried on to the Kinston ARC site at the Neuse Community Park. Arriving about dusk, the bugs had begun to take over, but Steve Pittman, N4WUO, and Russ Worthington, WA4PCD, were operating feverously.

After spending a few moments talking to Jean DuPree, KB4OHX, I headed southeast on the longest leg of the trip to Jacksonville. Here the repeater system kept me company as I contacted Ray Mahorney, KB4EJK, but he decided to catch a few winks, and I was resigned to silence for several miles.

Onslow Party Site

When I arrived at the Onslow County ARC site on the Coastal Carolina Community College campus, it looked like a party in progress. Several youngsters greeted me at the parking lot, guiding me with flashlights, and I approached the pavilion to sounds of gaiety and laughter.

Gloria Scott, KB4VEV, was resting on a chaise lounge, while hubby Randy, KA4SQN, was operating a computer. Hans Miller, KB4BI and Don DuBon, N6JRL, were also

Continued on Page 21

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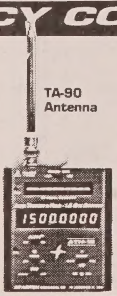

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NORTH CAROLINA NEWS CONTINUED

part of the group enjoying the warm night. Hans gave me some copies of the newsletter where I noted that Irv Goodwin, W4SVG, has been appointed assistant EC for Carteret County.

By then Midnight was close, and I still had the 40 mile trek back to New Bern, so I shut off the camcorder and promised all to visit a regular meeting sometime. It is held the first Tuesday of the month at Western Steer on Western Boulevard. Dinner at 6:00 pm, meeting at 7:00.

Clean-up Time

After a good night's sleep, I returned to the NBARC site, expecting to get the final shots for my video documentary, but I slept so late that the clean-up was well completed. Larry Edwards, KA4SXG, and Frank Dickens, N4CAS, were winding up cable and getting the generator back to roost. The barbecue was picked clean, and hooked to Ray's wagon, which was loaded with all the paraphernalia to be stored until next year.

An apology to the many people I met on this Field Day trek whose names and calls were not mentioned. As I review my notes, I see 8-year-old Tracy, KE4BVL; and Karl McKinnon, KD4UIT, who has something to do with a children's museum, I think; and was it Steve, KD4ZJ?, who guided me into the Jacksonville site? I have rough-edited the videotape, and can be contacted to do a short presentation if anyone wants to see what others did on June 26 and 27, 1993.

Congratulations HPARC

High Point ARC has been officially named a Special Service Club of the ARRL, according to their July Newsletter. Mark MaMahan, KB4MFP, Treasurer and Newsletter Editor will get privileges from the ARRL, including lists of prospective hams and items to use in their newsletter. The group meets on the first Monday at 6:30 pm at the Western Steer on 206 West Fairfield Road.

* * * * *

The Cape Fear ARS News reports repairs to their 2M repeater are finally completed after a lightning strike in 1986! As with many groups, it takes a long time to order and pay for new boards and updates. Bill, KU4W, and Dick, WB7OND, look forward to a lot less problems.

* * * * *

Fred, N4ZCG, also reports a simplex repeater has been put on line at 146.58. He had some problems with intermod, so it now requires a 100Hz tone to bring it up. Since he also uses the rig for voice operations, it may not always be available, but if you are in the Fayetteville area, it might be interesting to try it out. He would appreciate any signal reports.

The Repeater Journal!
Hams read it, the FCC reads it, the League reads it, Manufacturers read it, Dealers read it. Over 10,000 people see the Journal!
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Another Autopatch Lecture!

-by Gary Pearce, KN4AQ

Well, Station "X" is probably pretty upset with me. Maybe more than a little confused, too.

Autopatch -- the Devil's phone line! I'll tell you what happened in a minute. First, here are the RULES -

WHAT SAYS YOU CAN'T:

97.113 Prohibited Communications (a) *No amateur station shall transmit any communication the purpose of which is to facilitate the business or commercial affairs of any party.* (More details below...)

WHAT SAYS YOU CAN:

97.403 Safety of life and protection of property. *No provision of these rules prevents the use by an amateur station of any means of radiocommunication at its disposal to provide essential communication needs in connection with the immediate safety of human life and immediate protection of property when normal communication systems are not available.*

*****

Practical application time. Station "X" was driving a rented truck for business. The truck died on the highway, not near a phone. The rental agency had the means to get the truck going again quickly.

Could the patch be used to make the call? The local repeater Control Operator's opinion was yes. A person in a disabled vehicle is in danger of being hit -- especially if they walk along the highway to find a phone. The call was made, and the service rendered. So far, so good.

The truck made it only a few miles and died again. A second call was placed to dispatch help. Before that help arrived, the first mechanic arrived on the scene and got the truck going again.

Not wanting to have a second mechanic waste a trip, station "X" called the agent to cancel the help. And got busted by the Control Op, the KiloHertz Kop. Why?

While the call was full of good intentions, the situation was not an emergency anymore. The truck was rolling down the road (potentially to a pay phone). The exception to "business" communications was no longer in effect.

How about this one: You're heading out to pay a call on a customer, and you get lost. Can you call your secretary and have him give you directions? Geez, Louise! It may be trivial business, but it is BUSINESS. Oh... you say your boss will KILL you if you blow the account? Well, why didn't you say so...

And then we heard something like this on the local machine, "I can't make an autopatch call and place the order, because that would be business. Could you call them for me?" OK, wise-guy Control-Cop, what's the matter with THAT? (Stand back a bit, son, you're crowding my personal space.) This is too easy!

Look again at 97.113 (a). It doesn't say "on an autopatch." It just says NO. No business of ANY party. It doesn't matter if your friend placed the order on the phone or in person. Two out of three parties had a business interest in the communication.

And now, because I already have it on disk and don't have to retype it - here's some more governmentese on what "business" is - from Rule Book."

In an Order dated June 29, 1983, the FCC stated *that the term "business," in this instance, is used in the broadest context. It includes all types of communications which are intended to facilitate the regular business or commercial affairs of any party, whether individual or organization, whether for-profit or not-for-profit, whether charitable or commercial, and whether government or non-government.*

By Public Notice titled "Amateur Service International Radiocommunications" dated September 1, 1989, the FCC further elaborated upon the scope of the rules prohibiting business communications: *All types of communications related to business activities, including the advertising, soliciting, ordering, furnishing, delivering, accounting or billing of any supplies, materials, or services are prohibited.*

Lest we seem TOO strict, if you read any ARRL instructions on autopatch, they'll tell you your call must be important, not trivial (like calling your wife to tell her you've just left the office -- hey, why didn't you call from the office?). Well, we're not that tight.

The patch is fun and convenient for personal calls, and darned handy in an emergency. Call all you want... we'll make more. But not business!

The SERA Repeater Journal

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THE SERA OFFICIAL REPEATER INDEX

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Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements.

SERA SIMPLEX FREQUENCIES

10 Meter:	29.60						
6 meters:	52.49	52.51	52.525				
2 meters:	146.40*	146.415*	146.43*	146.445*	146.46*	146.475	146.49*
	146.505*	146.52	146.535	146.55	146.565	146.58	146.595
	147.405*	147.42*	147.435*	147.45*	147.465*	147.48*	147.495*
	147.51	147.525	147.54	147.555	147.57	147.585	
220 MHz:	223.42	223.44	223.46	223.48	223.50	223.52	223.54
	223.56	223.58	223.60	223.62	223.64	223.80	223.82
	223.84	223.86	223.88	223.90			
440 MHz:	445.825	445.85	445.875	445.90	445.925	445.95	445.975
(not all listed)	446.00	446.025	446.05	446.075	446.10	446.125	446.15

* Permitted unless operation would cause interference to repeater inputs - be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.

SERA DIGITAL/PACKET SIMPLEX FREQUENCIES

2 meter:	144.91	144.93	144.95	144.97	144.99	145.01	145.03
	145.05	145.07	145.09	145.51	145.53	145.55	145.57
	145.59	145.61	145.63	145.65	145.67	145.69	
220 MHz:	223.66	223.68	223.70	223.72	223.74	223.76	223.78
440 MHz:	430.05	430.15	430.25	430.35	430.45	430.55	430.65
	430.85	430.95	440.975	441.00	441.025	441.05	441.075

Note: 430.75 mhz is reserved for ATV Audio Channel

NOTE: Digital operators are reminded to check with local Digital Societies for which digital channels are available for various digital usage, in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

This index is updated as of July 18, 1993.

DISTRIBUTION OF REPEATERS BY FREQUENCY

PLEASE NOTE: The letters column between the frequency and the city indicates suffixes of the repeater callsign.

2 METERS

4.61 /2.525	ARK	NASHVILLE	TN
4.28 /EACON	MW	MEMPHIS	TN
4.297/EACON	ZRW	MEMPHIS	TN
4.51 /5.11	TUN	AUGUSTA	GA
	MXC	COCHRAN	GA
	UOX	DOUGLASVILLE	GA
	HYE	MENDENHALL	MS
	WA	PASCAGOULA	MS
	JTX	CHERRYVILLE	NC
	TOH	COLUMBIA	NC
	RXG	SAURATOWN MT	NC
	JMT	CONWAY	SC
	Y	COOKEVILLE	TN
	SBX	GRAY	TN
	BOX	JACKSON	TN
	QB	KNOXVILLE	TN
	ARK	NASHVLE/FAIRVIEW	TN
	YPE	RICHMOND	VA
	MCR	SALT ROCK	WV
4.53 /5.13	SEX	NEWNAN	GA
	Y	VALDOSTA	GA
	RBL	LA GRANGE	KY
	VF	MOREHEAD	KY
	YNF	AHOSKIE	NC
	CS	GREENWOOD/HODGES	SC
	KIV	SUMTER	SC
	CMY	CHATTANOOGA	TN
	O	#COLLIERVILLE	TN
	SSB	GALLATIN	TN
	OAK	LAFOLLETTE	TN
	KRM	#SHELBYVILLE	TN
	VL	GALAX/LKOUT MT	VA
	FHE	BUCKHANNON	WV
4.55 /5.15	MM	ALBANY	GA
	AQL	ATLANTA	GA
	LT	MILLEDGEVILLE	GA
	TLK	MONTICELLO	KY
	IWZ	PIKEVILLE	KY
	LFP	PICAYUNE	MS
	AAY	BUXTON	NC
	CVM	RANDLEMAN/GBO	NC
	OXE	INMAN	SC
	LWY	SUMMERTON	SC
	RJC	DECATUR-PONE KB	TN
	JXI	MEMPHIS	TN
	ARO	GREENBAY	VA
	HDB	MARMET	WV
4.57 /5.17	JBF	COOLIDGE	GA
	DIW	JONESBORO	GA
	PRH	HALLS GAP	KY
	BRN	HORN LAKE	MS
	ZQB	NEWTON/ANDSN MT	NC
	UO	OXFORD	NC
	TUN	AIKEN	SC
	GBI	KNOXVILLE	TN
	BRN	MEMPHIS	TN
	LHO	MURFREESBORO	TN
	ZUA	NORFOLK	VA
	FRV	BECKLEY/BOLT	WV
4.59 /5.19	ULJ	PINE MT/HAMILTON	GA
	UVT	BOONEVILLE	MS
	CJR	HATTIESBURG	MS
	SQN	JACKSONVILLE	NC
	BVW	MT MITCHELL	NC
	OTT	CARTHAGE	TN
	XX	JASPER	TN
	FAX	RICHMOND	VA
	YJJ	RICHWOOD	WV
	JGY	WHEELING	WV
4.61 /5.21	KEC	EASTMAN	GA
	PSZ	FAYETTEVILLE	GA
	U	DEANE	KY
	PRH	LEXINGTON/GRGTWN	KY
	WRE	POPLARVILLE	MS
	TQD	TRENTON	NC
	NEP	GASTON	SC
	BBB	KNOXVILLE	TN
	ARK	NASHVILLE	TN
	MS	KILMARNOCK	VA
	QOJ	ROANOKE/POOR MT.	VA
	RAG	WINCHESTER	VA
	FEQ	HUNTINGTON	WV
	OLC	HIGH PEAK MTN	NC
4.63 /5.23	JEH	CONYERS	GA
	UJ	DALTON	GA
	COL	WAYNESBORO	GA
	PRH	LOUISVILLE	KY
	VBH	BEULAVILLE	NC
	BFB	CHARLOTTE	NC
	RA	LAVERNE	TN
	KIE	MAYNARDVILLE	TN
	DBB	BEDFD/APL ORCH	VA
	MT	NEWPORT NEWS	VA
4.65 /5.25	BLQ	CLAYTON	GA
	GL	SCOTTSVILLE	KY
	SJE	GREENSBORO	NC
	UIV	CHARLESTON	SC
	BRV	ERWIN	TN
	WXS	ERWIN/PINNACLE	TN
	DRL	FISHERVILLE	TN
	MMI	POCAHONTAS	TN
	CZJ	BEAVERDAM	VA
4.67 /5.27	CGV	SANDERSVILLE	GA
	PN	WALESKA/PNLGMT	GA
	NBG	WALLS	MS
	DZJ	WIGGINS	MS
	KNI	HENDSVL/BERWLW M.	NC
	AR	MIDWAY	NC
	BQF	RALEIGH	NC
	GYM	WEST COLUMBIA	SC
	WZK	HENDERSONVILLE	TN
	CJX	SEV/SHIELDS MT	TN
	SKE	MARION	VA
	FMD	CRAIGSVILLE	WV
4.69 /5.29	DRQ	ATLANTA	GA
	TDL	AUGUSTA	GA
	PL	LAWRENCEBURG	KY
	PRH	STANTON	KY
	L	VICKSBURG	MS
	BFB	CHARLOTTE	NC
	GGD	GREENSBORO	NC
	VCM	CHATTANOOGA	TN
	SQC	JOHNSON CITY	TN
	FFM	RIDGETOP	TN
	YLX	CHARLOTTESVILLE	VA
	NDH	CHESAPEAKE	VA
	YLX	TROY	VA
	ZXP	GLENVILLE	WV
4.71 /5.31	CEK	COLUMBUS	GA
	JDR	STOCKBRIDGE	GA
	GOJ	CHATAWA	MS
	WPM	BAKERSVILLE	NC
	QAA	GREENSBORO	NC
	GY	BEAUFORT	SC
	PF	ROCK HILL	SC
	PNI	ATHENS	TN
	SC	JACKSON	TN
	ECD	LAFAYETTE	TN
	G	BECKLEY/LAYLAND	WV
4.73 /5.33	OGE	JONESBORO	GA
	YUU	LEXINGTON	KY
	CYR	GULFPORT	MS
	J	MT. AIRY	NC
	YP	PIKEVILLE	NC
	DFP	BAMBERG	SC
	DBJ	CUMBERLAND CITY	TN
	TEM	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	QQI	FARMVILLE	VA
	F	NORFOLK	VA
	QC	PARSONS	WV
	M	WILLIAMSON	WV
4.75 /5.35	DOC	ATLANTA	GA
	DOC	ATLANTA	GA
	FGQ	ROSSVILLE	GA
	GLI	ELIZABETHTOWN	KY
	DAX	MOUNTAIN ASH	KY
	WMH	OLIVE BRANCH	MS
	AOS	CHARLOTTE	NC
	JPQ	GREENVILLE	NC
	Y	HUMBOLDT	TN
	JYD	NOLENSVILLE	TN
	AZJ	BLAND	VA
	SP	FAIRMONT	WV
4.77 /5.37	UA	AUGUSTA	GA
	IZF	JASPER	GA
	NNX	HATTIESBURG	MS
	PYQ	SOUTHAVEN	MS
	AGN	N. WILKESBORO	NC
	MII	OXFORD	NC
	PPD	SHALLOTTE	NC
	GZE	KNOXVILLE	TN
	OG	SMITHVILLE	TN
	UKJ	FOREST	VA
	TOG	GLOUCESTER	VA
	VS	BECKLEY/EOC	WV
	VNQ	PARSONS	WV
4.29 /5.39	RPB	CORINTH	MS
4.79 /5.39	HYB	GRIFFIN	GA
	KDZ	FRANKFORT	KY
	DG	MONROE/UCARS	NC
	NXU	BOWMAN	SC
	AM	CHATTANOOGA	TN
	EPC	GREENEVILLE	TN
	DOR	LEBANON	TN
	ARO	ROANOKE/POOR MTN	VA
	EOM	WESTON	WV
4.81 /5.41	PME	ATLANTA/BELL	GA
	I	#AUGUSTA	GA
	PXX	BRNSWK/JEKYLL IS	GA
	NON	COVINGTON	KY
	DC	GLASGOW	KY
	IF	D'IBERVILLE	MS
	XO	HIGH POINT	NC
	KNU	WILLIAMSTON	NC
	VIH	DOVER	TN
	NKM	GREENEVILLE	TN
	SSB	MONTEAGLE	TN
	ZMS	BEDFD-APL ORCH	VA
	QIJ	WILLIAMSBURG	VA
	FHE	BUCKHANNON	WV
	HYX	LIBERTY	WV
4.83 /5.43	OLL	MACON	GA
	LCI	MARIETTA	GA
	LVU	COLUMBUS	MS
	ITL	SPARTA/GREEN MT	NC
	GYM	WEST COLUMBIA	SC
	YTU	BROWNSVILLE	TN
	UCE	COOKEVILLE	TN
	IUA	KNOXVILLE	TN
	SQT	RICHMOND	VA
	L	CHARLESTON	WV
	LG	MORGANTOWN	WV
4.85 /5.45	BOC	DECATUR	GA
	TX	LEXINGTON	KY
	RMZ	SHARON	MS
	PLY	CROWDERS MT/GAST	NC
	WTX	DURHAM	NC
	GRW	NEWPORT	NC
	SIR	BENTON	TN
	KOG	COVINGTON	TN
	KO	HOHENWALD	TN
	LP	MORRISTOWN	TN
	E	SPRING HILL	TN
	HQ	SALUDA	VA
	LGY	GRANTSVILLE	WV
	SXZ	WELCH	WV
4.87 /5.47	UV	HINESVILLE	GA
	CLA	SWEAT MT/MARIETT	GA
	GGH	BARDSTOWN	KY
	WMM	MAYSVILLE	KY
	OIX	KINSTON	NC
	NC	SAURATOWN MT	NC
	RG	GAFFNEY	SC
	DDK	MYRTLE BEACH	SC
	GBI	KNOXVILLE	TN
	OMO	MOUNTAIN CITY	TN
	ARK	NASHVILLE	TN
	ZCM	CLARKSVILLE	VA
	FG	RICHWOOD	WV
4.89 /5.49	DV	AUGUSTA	GA
	WUJ	CORDELE	GA
	QPL	MARIETTA	GA
	KVK	HENDERSON	KY
	CWF	NICHOLASVILLE	KY
	VGK	FULTON	MS
	ZCZ	FRANKLIN	NC
	DZ	GIBSONVILLE	NC
	BWC	RALEIGH	NC
	ABW	RKY RDG/WALLACE	SC
	LHO	MCMINVL/SHT MT	TN
	KOG	MEMPHIS	TN
	MOP	BLUEFIELD	VA
	OHX	NEWPORT NEWS	VA
	MOP	BLUEFIELD	WV
	G	PARKERSBURG	WV
4.625/5.525	YYD	#FORT MTN	GA
6.265/5.865	KP	TRENTON	TN
6.01 /6.61	CVY	COLUMBUS	GA
	JEH	CONYERS	GA
	BDP	#WARNER ROBINS	GA
	KWV	CORBIN	KY
	IXI	LAUREL	MS
	SNI	GREENSBORO	NC
	JMS	NEW BERN	NC
	WIF	ELLOREE	SC
	NYK	GRNVLE/CSRS HD	SC
	CMY	CHATTANOOGA	TN
	PCD	NASHVILLE	TN
	LSP	ABINGDN/BRMLY MT	VA
	GSP	CHESAPEAKE	VA
	WWQ	LYNCHBURG	VA
	MZI	GASSAWAY	WV
6.025/6.625	UPE	ATL/UNION CITY	GA
	UJT	ELBERTON	GA
	ZZ	VIDALIA	GA
	WO	PORT GIBSON	MS
	RR	LAURINBURG	NC
	IP	CHESTER	SC
	GBI	KNOXVILLE	TN
	ABU	MARTIN	TN
	G	FLAT TOP/WINTRPL	WV
6.04 /6.64	QGR	ATLANTA	GA
	MWQ	AUGUSTA	GA
	FWD	CARROLLTON	GA
	CEX	WAYCROSS	GA
	UXJ	CAMPBELLSVILLE	KY
	NIL	JACKSON	MS
	NAY	MOOREVILLE	MS
	YAO	HENDERSONVILLE	NC
	DW	RALEIGH	NC
	NC	WINSTON-SALEM	NC
	KIV	SUMTER	SC
	KQQ	#MEMPHIS	TN
	NTM	NASHVILLE W	TN
	QYI	#ROCKWOOD/MT ROO	TN
	WIC	FINCASTLE	VA
	QLF	MARION	VA
	QEY	RICHMOND	VA
	EZR	HUNTINGTON/CHAS	WV
6.055/6.655	NFP	ATLANTA/MARIETTA	GA
	MNI	BOWLING GREEN	KY
	DZC	DANVILLE	KY
	CEB	CONCORD/KANNAP.	NC
	VTX	ELIZABETH CITY	NC
	RYR	ALCOA	TN
	OKV	BROWNSVILLE	TN

	AM	CHATT/SIGNAL MT	TN
	ME	COLLINWOOD TN	TN
	ISI	ALTAVISTA	VA
	TC	CLARKSBURG	WV
	BUC	UPPER TRACT	WV
6.06 /6.66	BKM	MACON	GA
6.07 /6.67	NSO	GAINESVILLE	GA
	EQL	JESUP	GA
	VHF	HAZARD	KY
	KBL	PRINCETON	KY
	LRQ	HATTIESBURG	MS
	CAX	NEW ALBANY	MS
	FHB	BURLINGTON	NC
	BKU	CHERRY MT	NC
	RPC	YAUPON BEACH	NC
	U	ST. MATTHEWS	SC
	DKI	BRISTOL	TN
	BGW	LAFOLLETTE/WMT	TN
	NTM	NASHVILLE W	TN
	HZS	BARREN SPRINGS	VA
	NTG	WILLIAMSBURG	VA
	JNU	RAVENSWOOD	WV
6.085/6.685	IWL	ADAIRSVILLE	GA
	UWN	FAYETTEVILLE	GA
	KQ	OWENSBORO	KY
	KHB	NATCHEZ	MS
	NBR	GRIFTON	NC
	EHL	STATESVILLE	NC
	CO	NEWBERRY	SC
	PIO	WALLAND	TN
	FMD	CLARKSBURG	WV
	CM	UNION	WV
6.10 /6.70	MM	ALBANY	GA
	OOM	JASPER	GA
	DOJ	MILLEDGEVILLE	GA
	TO	SAVANNAH	GA
	JO	GRAYSON	KY
	BDC	LOUISVILLE	KY
	YGM	UNION CITY (TN)	KY
	GY	BAY ST. LOUIS	MS
	LVA	GRENADA	MS
	DEJ	MERIDIAN	MS
	CID	DUNN	NC
	PAX	LANCASTER	SC
	KUD	ANDERSON CTY	TN
	UOT	MANCHESTER	TN
	MMI	RAMER	TN
	YGM	UNION CITY	TN
	AU	DANVILLE/WHT OAK	VA
	MGQ	*ELK CRK/IRON MT	VA
	D	NORFOLK	VA
	LQC	PENNINGTON GAP	VA
	XD	STAUNTON	VA
	JNU	RAVENSWOOD	WV
6.115/6.715	NVG	LAVONIA	GA
	ABZ	RINGGOLD	GA
	B	BEREA	KY
	TQY	GREENWOOD	MS
	GGN	MILLERS CREEK	NC
	KDC	SPRING LAKE	NC
	NEP	COLUMBIA	SC
	JUB	SALTILLO	TN
	I	BLACKSBURG	VA
	DZU	WALKERTON	VA
	GL	SHERRARD	WV
6.13 /6.73	MM	ALBANY	GA
	NC	ATLANTA/SWEAT MT	GA
	TVE	BRUNSWICK	GA
	STY	#DAWSON SPRINGS	KY
	SWF	DORTON	KY
	AO	LANCASTER	KY
	IF	BILOXI	MS
	VZF	STARKVILLE	MS
	BWC	RALEIGH	NC
	EXU	SALISBURY	NC
	VNK	WILMINGTON	NC
	FKJ	N. AUGUSTA	SC
	BJY	SIMPSONVILLE	SC
	IOB	KNXVL/ENG MT	TN
	DAZ	MEMPHIS	TN
	WA	WATERTOWN	TN
	DHO	HAMPTON	VA
	AVZ	LEWISBURG	WV
6.145/6.745	BKF	ATHENS	GA
	TTC	GREENVILLE	KY
	N	DILLON/PEE DEE	SC
	RCK	DYERSBURG	TN
	UP	OLIVER SPRINGS	TN
	DY	ROANOKE/POOR MT	VA
6.16 /6.76	BOC	STONE MT	GA
	ELN	VALDOSTA	GA
	NSY	#FERN CREEK	KY
	KJQ	LEXINGTON	KY
	CUW	PADUCAH	KY
	AXQ	JACKSON	MS
	BVW	ASHVL/MT PISGAH	NC
	GGD	GREENSBORO	NC
	S	SWANSBORO	NC
	THL	WILSON	NC
	ESG	AWENDAW	SC
	LSP	BRISTOL/HLSTN MT	TN
	PQP	NASHVILLE	TN
	TFZ	CHARLOTTESVILLE	VA
	ZIN	WILLIAMSBURG	VA
	VA	HUNTINGTON	WV
	CUL	MORGANTOWN	WV
	ZQ	WHEELING	WV
6.175/6.775	NFP	MARIETTA	GA
	NA	WRENS	GA
	PPM	MIDDLESBORO	KY
	TKI	VANCEBURG	KY
	JYH	SOUTHPORT	NC
	GYM	COLUMBIA	SC
	O	FRUITLAND	TN
	OYG	PULASKI/MUSIC MT	TN
	T	WYTHEVILLE	VA
	BWZ	ELKINS	WV
6.19 /6.79	DMK	FOLKSTON	GA
	KOW	MOULTRIE	GA
	SEX	NEWNAN	GA
	VYX	SWAINSBORO	GA
	YWH	HIGHLAND HEIGHTS	KY
	U	PAINTSVILLE	KY
	TYP	BILOXI	MS
	S	WEST POINT	MS
	LZD	CLINTON	NC
	AT	SAURATOWN MT	NC
	FVV	ANDERSON/SAS MT	SC
	USN	CHARLESTON	SC
	AM	CHATTANOOGA	TN
	ABR	JOHNSON CITY	TN
	SQE	NASHVILLE	TN
	SD	CHESAPEAKE	VA
	OQC	OAK HILL	WV
6.205/6.805	IEZ	JULIETTE	GA
	NNE	GUTHRIE	KY
	C	STARKVILLE	MS
	EWG	FAYETTEVILLE	NC
	IZF	GASTONIA	NC
	O	ORANGEBURG	SC
	NNE	GUTHRIE (TN/KY)	TN
	HTI	COVINGTON	VA
7.405/6.805	AQS	CALHOUN/JASPER	GA
6.22 /6.82	MM	ALBANY	GA
	DOC	ATLANTA	GA
	HVK	KIBBEE	GA
	N	DRAKESBORO	KY
	MBA	GREENVILLE	MS
	PZA	ROARING GAP	NC
	GMP	WILMINGTON	NC
	NYK	GRNVLE/PARIS MT	SC
	OAH	LAKE CITY	TN
	BS	MEMPHIS	TN
	SFF	WINCHESTER	TN
	WWB	GATE CITY	VA
	RKC	WINCHESTER	VA
	IFS	CHARLESTON	WV
6.235/6.835	GSS	THOMSON	GA
	ZOX	SALVISA	KY
	QCO	#ASHEVILLE	NC
	UOR	NAGS HEAD/BODIE	NC
	USH	WADESBORO	NC
	UDD	CHARLESTON	SC
	IDG	WATERTOWN	TN
	DCX	GRUNDY/BIG A MT	VA
	UTN	RUSTBURG/LONG MT	VA
	EUN	GLENVILLE	WV
7.435/6.835	KHQ	DAHLONEGA	GA
	NNR	HIGH POINT	NC
6.25 /6.85	DVJ	DALLAS	GA
	QWI	WARNER ROBINS	GA
	CLL	BOWLING GREEN	KY
	IV	PIKEVILLE	KY
	VNO	BAY ST. LOUIS	MS
	JMD	BUDE	MS
	BWW	CLEVELAND	MS
	MFK	IUKA	MS
	LWC	KOSCIUSKO	MS
	CYP	GOLDSBORO	NC
	MDW	HICKORY/BRT. MT	NC
	YEC	REIDSVILLE	NC
	ULH	FLORENCE	SC
	KJH	GTLBG/COVE MTN	TN
	KOG	MEMPHIS	TN
	TK	NASHVILLE	TN
	POX	PORTSMOUTH	VA
	ZBP	STAUNTON	VA
	WDK	BECKLEY/FLAT TOP	WV
	L	BUCKHANNON	WV
6.265/6.865	DKY	MADISON	GA
	UW	RICHMOND	KY
	YF	LAURENS	SC
	G	FAYETTEVILLE	TN
7.465/6.865	DWU	ELLISVILLE	MS
	FOY	MURPHY/STALCUP	NC
	ZRS	WAXHAW	NC
	AA	#CROSSVILLE	TN
	E	MOUNTAIN LAKE	VA
6.28 /6.88	CVY	COLUMBUS	GA
	IUD	MARIETTA	GA
	FGH	QUITMAN	GA
	HBB	SAVANNAH	GA
	OAU	LOUISVILLE	KY
	AI	SOMERSET	KY
	QNE	JACKSON	MS
	AAY	PASCAGOULA	MS
	TQD	RALEIGH	NC
	NYR	SHELBY	NC
	WIF	ORANGEBURG	SC
	CYZ	BRISTOL	TN
	ETE	MEMPHIS	TN
	TOA	NASHVILLE	TN
	SKH	OAK RIDGE	TN
	CYZ	BRISTOL	VA
	ZBE	RICHMOND	VA
	PDL	SALEM	VA
	CQV	SO. CHARLESTON	WV
6.295/6.895	RBS	HARTWELL	GA
	SM	MACON	GA
	JBV	FLORENCE	KY
	YFF	MADISON	NC
	ABW	PAGELAND/HIPOINT	SC
	RAG	CHARLOTTESVILLE	VA
	KXV	VIRGINIA BEACH	VA
	T	WYTHEVILLE/BLAND	VA
7.495/6.895	LUQ	DALLAS	GA
	KZT	DORTON	KY
6.30 /6.90	WVH	IRVINGTON	KY
6.31 /6.91	HIG	CLEVELAND/LONG	GA
	HYB	GRIFFIN	GA
	GFY	MOREHEAD	KY
	VV	HERNANDO	MS
	OCM	NATCHEZ	MS
	ZGQ	AHOSKIE	NC
	MOE	ASHVL/SPIVEY MT	NC
	YZF	FAYVLLE/CFARS	NC
	IZM	LEXINGTON	NC
	BWZ	WHITE HALL	SC
	GZX	CLEVELAND	TN
	DQU	SAVANNAH	TN
	YXA	SHORT MTN	TN
	AXH	CHASE CITY	VA
	TUE	MT.LAKE/BALD KNB	VA
	SAQ	MCMECHEN	WV
6.325/6.925	ASI	COVINGTON	GA
	PJR	JESUP	GA
	BEJ	RADCLIFF	KY
	VOJ	CORINTH	MS
	OBW	SULPHUR SPRINGS	TN
	TFZ	CHARLOTTESVILLE	VA
	QT	DANVILLE(DCC)	VA
	OGY	PRINCETON/PIPEST	WV
6.34 /6.94	N	AUGUSTA	GA
	VO	ROME/MT. ALTO	GA
	RVB	WRIGHTSVILLE	GA
	SN	ASHLAND	KY
	WZH	GLASGOW	KY
	AUZ	#LEXINGTON	KY
	NTB	MURRAY	KY
	DWX	AMORY	MS
	SBK	JACKSON	MS
	JMD	MCCOMB	MS
	DLH	BURGAW	NC
	BFB	CHARLOTTE	NC
	BFT	DURHAM	NC
	VM	MANTEO/WANCHESE	NC
	NZ	MT AIRY	NC
	PBC	CHARLESTON	SC
	IQQ	GREENVILLE	SC
	GBI	KNOXVILLE	TN
	BSM	MEMPHIS	TN
	PCD	NASHVILLE	TN
	UMI	HAMPTON	VA
	ZA	RICHMOND	VA
	AP	ROANOKE	VA
	CWO	WEIRTON	WV
6.355/6.955	KIN	PERRY	GA
	PRE	ROCKY TOP MT	GA
	OCP	RABBIT HASH	KY
	OB	ISOLA	MS
	AVP	ROCKINGHAM	NC
	E	ONEIDA PEAK/BLF	VA
6.37 /6.97	CLJ	ATLANTA	GA
	HBB	SAVANNAH	GA
	DPP	HENDERSON	KY
	TUK	STANTON	KY
	ZH	PASCAGOULA	MS
	DHS	WINONA	MS
	XRY	MT AIRY	NC
	JQ	SMITHFIELD	NC
	SZ	ANDERSON	SC
	ISM	FLORENCE	SC
	TRC	KNGSPT/BAYS MT	TN
	MWQ	MCMINNVILLE	TN
	RWK	MEDINA	TN
	SKH	OAK RIDGE	TN
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	E	LOGAN/WARD RK MT.	WV
	CRW	PARKERSBURG (OH)	WV
6.38 /6.98	BEJ	ELIZABETHTOWN	KY
6.385/6.985	I	AUGUSTA	GA
	HHH	ELLIJAY/TALONA M	GA
	TOV	PRESTON	GA
	UUB	ST. MARYS	GA
	FE	WARM SPRINGS	GA
	LRQ	COLLINS	MS
	DMT	SENATOBIA	MS
	OGB	ALBEMARLE	NC
	PVE	MARION	NC
	IY	FRANKLIN	TN
	CA	ROANOKE/POOR MT	VA
	LL	NEW MARTINSVILE	WV
6.40 /7.00	NNO	ATLANTA	GA
	OQX	ROCHELLE	GA
	UFH	CORINTH	MS
	QFX	WATER VALLEY	MS
	FVO	JACKSONVILLE	NC
	AZA	THOMASVILLE	NC
	HE	COLUMBIA	SC
	YLT	MARION	SC
	YXZ	PICKENS	SC
	AZQ	KNOXVILLE	TN
	ZJM	MEMPHIS	TN
	HMT	SUFFOLK	VA
	WMX	ST ALBANS	WV
6.64 /7.00	HE	LEXINGTON	SC
7.60 /7.00	LR	SHELBYVILLE	KY
	NRR	#VIRGIE	KY
	M	WILLIAMSBURG	KY
	NKZ	COLUMBUS	MS
	KMG	BLOUNTVILLE	TN
	SGA	CLARKSVILLE	TN
	QS	COLLEGEDALE	TN
	ZR	TERRA ALTA	WV
6.415/7.015	GIS	CARTERSVILLE	GA
	XRY	YADKINVILLE	NC
	M	LYNCHBURG	VA
	AXO	NORTON/HIGH KNOB	VA
7.615/7.015	DT	BONAIRE	GA
	UM	MIDWAY	GA
	FDK	LEXINGTON	KY
	JHK	MONTICELLO	MS
	KPF	LK NORMN/CLT	NC
	YP	SELMA	NC
	UMU	#SUMTER	SC
	JVV	LEBANON	TN
	KS	ROCKWOOD/MT ROOS	TN
	YGM	UNION CITY	TN
6.43 /7.03	D	LAUREL	MS
	YTZ	ROCK HILL	SC
	DRL	GRANDJUNCTION	TN
	MVR	LEXINGTON	TN
	JST	RICHMOND	VA
7.63 /7.03	REI	ATLANTA/AIRPORT	GA
	ZVL	HOPKINSVILLE	KY
	PJZ	LOUISVILLE	KY
	LDD	OCEAN SPRINGS	MS
	GG	GREENSBORO	NC
	3	ROANOKE RAPIDS	NC
	FOF	BARNWELL	SC
	HOG	N. MYRTLE BEACH	SC
	NIQ	FAYETTEVILLE	TN
	DRL	GRAND JUNCTION	TN
	LP	MORRISTOWN	TN
	IT	MULLENS/HRNDN MT	WV
	ECC	ST MARYS/BENS R	WV
7.64 /7.04	RNF	WINFIELD (AL)	MS
6.445/7.045	AIH	ANDREWS/ROBBINSV	NC
	FLR	FAYETTEVILLE	NC
7.645/7.045	TYM	METTER	GA
	NFA	WATKINSVILLE	GA
	VF	GRETHEL	KY
	BEC	BALD CREEK	NC
	EHL	STATSVL/ASBRY MT	NC
	HKZ	COOKEVILLE	TN
	AYN	NASHVILLE	TN
	FOZ	STAUNTON/EL. KB	VA
	SBC	VIRGINIA BEACH	VA
6.46 /7.06	CQ	CHARLOTTE	NC
	LBM	ALTON	VA
	PNC	PRINCETON	WV
7.66 /7.06	DDI	MACON	GA
	CLA	ROSWELL	GA
	UCJ	THOMASVILLE	GA
	WQ	PADUCAH	KY
	OCF	RICHTON	MS
	LED	MACO	NC
	VFR	SUMTER/SHAW	SC
	UG	GRNVLE/VIKING MT	TN
	MQQ	MEMPHIS	TN
	QEB	#SHELBYVILLE	TN
	ECM	ENON	VA
7.67 /7.07	NMC	LOUISVILLE	KY
7.675/7.075	JXR	LAWRENCEVILLE	GA
	CJB	PEMBROKE	GA
	TLP	OWINGSVILLE	KY
	Y	JACKSON	MS
	JFN	BURLINGTON	NC
	L	NEWTON	NC
	E	GREENBRIER	TN
	GBI	KNOXVILLE	TN
	O	MCNAIRY	TN
	HBU	NORFOLK	VA
	PNT	WAYNESBORO	VA
	QC	MORGANTOWN	WV
7.69 /7.09	GNA	CHEAHA MTN (AL)	GA
	YHM	EATONTON	GA
	CVE	ST SIMONS ISL	GA
	YK	PHELPS	KY
	DSN	AMORY	MS
	MRS	NEW HEBRON	MS
	GDF	GREENVL/ESTN NC	NC
	RP	ORANGEBURG	SC
	JLA	SPARTANBURG	SC
	ATI	GERMANTOWN	TN
	NLP	JAMESTOWN	TN
	VL	GALAX/BRIRP MT	VA
	TZE	OILVILLE	VA
7.705/7.105	YSB	ATLANTA	GA
	D	STATESBORO	GA
	KFD	CALVERT CITY	KY
	ZAC	HARLAN	KY
	FGA	MARION	KY
	WK	WAYNESBORO	MS
	OX	BROADWAY	NC
	WET	KELLERSVILLE	NC
	JCK	MONROE	NC
	GHH	MOUNTAIN HOME	NC
	TC	HENDERSON	TN
	IDG	SHOP SPRINGS	TN
	JBJ	BEDFORD	VA
	SR	CHESAPEAKE	VA
	Z	SPENCER	WV
6.09 /7.11	ZLR	#LOGAN	WV
7.72 /7.12	MM	ALBANY	GA
	S	AUGUSTA	GA
	CMA	CEDARTOWN	GA
	HCA	CLARKESVILLE	GA
	U	BENTON	KY
	ASZ	WINCHESTER	KY
	N	ACKERMAN	MS
	REW	GAST/SPCR MT	NC
	Z	ROCKY MOUNT	NC
	JMT	MYRTLE BEACH	SC
	ZYX	COLUMBIA	TN
	GMV	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	DE	COLLINSVILLE	VA
	DKM	BRIDGEPORT	WV
7.735/7.135	BZJ	DALTON	GA
	FRM	MILLEDGEVILLE	GA
	Y	VALDOSTA	GA
	LRQ	PETAL	MS
	GBH	BREVARD	NC
	GN	WILMINGTON	NC
	ABW	CHERAW	SC
	EDS	ALAMO	TN
	AZJ	PEARISBURG	VA
	HB	RICHMOND	VA
7.75 /7.15	TFW	ALBANY	GA
	BYK	CUMMING/SAWNEE	GA
	HKK	JACNITO	MS
	IZ	PEARL/RANKIN CO	MS
	VLY	MORGANTON	NC
	TQD	RALEIGH	NC
	BJM	MONCKS CORNER	SC
	SDT	SIMPSONVILLE	SC
	PCD	NASHVILLE	TN
	EAJ	OAK RIDGE	TN
	QJZ	JEWELL RIDGE	VA
	SVR	ST ALBANS	WV
7.765/7.165	KIN	FORSYTH	GA
	HBM	LEXINGTON	KY
	UBY	PRESTONSBURG	KY
	RIS	HIGH POINT	NC

	VIA	GREENWOOD	SC
	BRV	ERWIN/UNICOI CO	TN
	CEX	PURYEAR	TN
	CXD	FOREST	VA
	CTF	NEWPORT NEWS	VA
	K	WESTON	WV
7.78 /7.18	BMA	AUGUSTA	GA
	NHW	BALDWIN	GA
	BDP	WARNER ROBINS	GA
	H	BAXTER	KY
	CN	LOUISVILLE	KY
	UDQ	INVERNESS	MS
	EJJ	SANFORD	NC
	SFK	TRYON/MELROSE MT	NC
	CTJ	WILMINGTON	NC
	NAT	DORCHESTER	SC
	SC	FT MILL/CAROWND	SC
	DES	CLEVELAND	TN
	KOG	MEMPHIS	TN
	ZGA	NASHVILLE	TN
	YKV	AMELIA COURTHSE	VA
	S	PKS KB/PULASKI	VA
	OHX	LEON	WV
7.795/7.195	JPD	ATLANTA	GA
	UCJ	BOSTON	GA
	VF	LEXINGTON	KY
	FYW	SUMRALL	MS
	NIN	LENOIR	NC
	WB	MURPHY	NC
	PNZ	FLORENCE	SC
	AZQ	KNOXVILLE	TN
	RTS	LYNCHBURG	VA
	ELM	SMITHFIELD	VA
	H	HORSEPEN MT	WV
7.81 /7.21	EMM	CONYERS	GA
	TO	SAVANNAH	GA
	HY	OWENSBORO	KY
	SPJ	UNION	MS
	BUZ	GREENSBORO	NC
	MSD	WHITEVILLE	NC
	AVU	LITTLE MT	SC
	WS	COOKEVILLE	TN
	SBX	GRAY/HOLSTON MT	TN
	WKZ	JACKSON	TN
	NJH	AMBER RIDGE	WV
	FMD	CLARKSBURG	WV
7.825/7.225	ZUN	COMMERCE	GA
	LVY	SUMMERVILLE	GA
	NFK	LITCHFIELD	KY
	OXA	ESCATAWPA	MS
	DRL	WARSAW	MS
	WTX	HILLSBOROUGH	NC
	OOC	MORG WALKER TOP	NC
	DTW	SANTEE	SC
	OAH	MORRISTOWN	TN
	VXR	HAMPTON	VA
	RAG	HARRISONBURG	VA
	NRK	PRINCETON	WV
7.84 /7.24	NFG	IRWINTON	GA
	DII	ASHLAND	KY
	AVE	FAIR DEALING	KY
	AI	FRANKFORT	KY
	NAR	MAYFIELD	KY
	R	TUPELO	MS
	NIW	CARTHAGE	NC
	PBG	FOREST CITY	NC
	GHZ	FRANKLIN	NC
	ILN	HILTON HEAD	SC
	VT	LANCASTER	SC
	BKY	GALLATIN	TN
	OG	LUNENBURG CT.HSE	VA
	T	WYTHE/WALKER MTN	VA
7.855/7.255	KDT	ATLANTA	GA
	IOX	DIXON	KY
	CO	HIGHLAND HEIGHTS	KY
	RC	LAUREL	MS
	AV	ASHEBORO	NC
	KNI	HENDSVL/PENIC/MT	NC
	BZU	NASHVILLE	TN
	SI	PETROS/FRZ HD MT	TN
	TVS	ACCOMAC	VA
	CYZ	DANTE	VA
	EQC	HINTON	WV
	LLM	PARKERSBURG	WV
7.87 /7.27	EBB	AMERICUS	GA
	KMS	COVINGTON	GA
	KWT	LOUISVILLE	KY
	USN	ABERDEEN	MS
	SXK	VICKSBURG	MS
	H	RALEIGH BENSON	NC
	SM	WAYNESVILLE	NC
	LET	CHARLESTON	SC
	JRJ	SENECA/LONG MT	SC
	YQC	GALLATIN	TN
	FH	JOHNSON CITY	TN
	TMC	PINSON	TN
	IKL	GUM SPRING	VA
	QWO	ROANOKE/POOR MTN	VA
	S	SCOTT DEPOT	WV
7.885/7.285	LYV	#ASHBURN/TIFTON	GA
	VBX	ATLANTA/GPCO	GA
	ZFH	LONDON	KY
	FGA	MARION	KY
	EZN	COLUMBIA	MS
	CTS	CORINTH	MS
	ADM	AIKEN	SC
	DCD	MYB BCH/BRKSVIL	SC
	MGM	WHITE OAK MTN	SC
	ZTK	BLUFF CITY	TN
	PUX	PIKEVILLE	TN
	QWD	RIDGEWAY	VA
	HON	SPRUCE KNOB	WV
7.90 /7.30	MU	PERRY	GA
	YSV	ROME	GA
	ICN	ALLEN	KY
	SJH	SPRINGFIELD	KY
	LNY	MAGEE	MS
	YJG	JEFFERSON	NC
	MZP	RED SPRINGS	NC
	OMV	TUCKASEGEE	NC
	ESG	AWENDAW	SC
	BBB	KNOXVILLE	TN
	ADT	MEMPHIS	TN
	ZSA	NASHVILLE	TN
	SPS	FRANKLIN	VA
	ZR	LEXINGTON	VA
	NSL	HARRISVL/PENSBRO	WV
7.915/7.315	REB	TWIN CITY	GA
	IL	SALEM	KY
	JYH	SAURATOWN MT	NC
	PPD	SHALLOTTE	NC
	UZT	N. SPARTANBURG	SC
	HZN	ROGERSVILLE	TN
	HWQ	GRUNDY	VA
	MR	#CLARKSBURG	WV
7.93 /7.33	BXO	LAGRANGE	GA
	DIP	TOCCOA	GA
	KWH	ASHLAND	KY
	KNE	MT. STERLING	KY
	IUI	PROVIDENCE	KY
	CYR	MCHENRY	MS
	EP	PHILADELPHIA	MS
	LP	FAYVLLE/FT BRAGG	NC
	K	LENOIR/HIBRITN	NC
	NUY	COLUMBIA	SC
	VXW	COVINGTON	TN
	ORB	MORGAN COUNTY	TN
	ZR	LEXNGTN/ROCK MT.	VA
	ZIP	WARSAW	VA
7.945/7.345	NEQ	ATLANTA/MARIETTA	GA
	PJR	JESUP/SCREVEN	GA
	IZD	LYNCH/BLACK MT	KY
	JC	CLINTON	MS
	NY	SHELBY	NC
	TEP	WASHINGTON	NC
	UVI	HENDERSONVILLE	TN
	L	ABINGDON	VA
	UT	GLADYS	VA
	ZBF	YORKTOWN	VA
	RU	FRANKLIN	WV
	K	LOGAN/SUMERCO	WV
7.96 /7.36	CL	DOUGLASVILLE	GA
	HZ	DUBLIN	GA
	Z	LOUISVILLE	KY
	CJ	HATTIESBURG	MS
	PKI	LOUISVILLE	MS
	SV	NATCHEZ	MS
	KD	BOONE/RICH MTN	NC
	LD	DURHAM	NC
	S	LUMBERTON	NC
	ECY	COLUMBIA	SC
	OAK	LAFOLLETTE	TN
	BS	MEMPHIS	TN
	NM	NASHVILLE	TN
	KX	PARIS	TN
	OB	CHESTERFIELD	VA
	CM	STUARTS DRAFT	VA
7.975/7.375	TJU	ATHENS/CRAWFORD	GA
	AK	LAFAYETTE	GA
	KO	WALTON	KY
	FU	GULFPORT	MS
	N	BURNSVILLE	NC
	DK	GREENVILLE	NC
	CD	TABOR CITY	NC
	MI	GEORGETOWN	SC
	LO	GREENVILLE	SC
	H	#DICKSON	TN
	ID	LYNCHBURG	VA
	V	VIRGINIA BEACH	VA
	IB	GRAFTON	WV
	WMX	ST ALBANS	WV
7.98 /7.38	AY	PONTOTOC	MS
7.99 /7.39	IK	THOMASTON	GA
	DN	COVINGTON	KY
	BL	LA GRANGE	KY
	DJ	#WHTSBRG/PINE MT	KY
	NA	PRENTISS	MS
	HZ	AQUADALE	NC
	Y	CHARLOTTE	NC
	Y	CLAYTON	NC
	BG	EDEN/STONEVILLE	NC
	AU	SHALLOTTE	NC
	EC	LEXINGTON	SC
		CLARKSVILLE	TN
	HT	DAYTON/RHEA CTY	TN
	IY	OAKFIELD	TN
	RO	PETERSBURG	VA
		LEWISBURG	WV
	RW	PARKERSBURG	WV
6.19 /7.51	BY	MEMPHIS	TN
7.075/7.675	GQ	FRANKFORT	KY
7.315/7.915	J	#FORSYTH	GA
6.46 /1.00	IJ	BARBOURSVILLE	WV

220 MHZ

2.055/EACON	MW	MEMPHIS	TN
2.058/EACON	KM	GREENEVILLE	TN
2.14 /3.74	MI	LEXINGTON	KY
2.18 /3.78	HX	#LEON	WV
2.30 /3.90	AB	HERMITAGE	TN
2.32 /3.92	ID	AUGUSTA	KY
2.34 /3.94	K	ASHLAND	KY
	P	CLARKSVILLE	TN
	M	MEMPHIS	TN
2.38 /3.98	IV	LINWOOD	NC
	A	GALLATIN	TN
2.42 /4.02	H	#CONYERS	GA
	IF	FAYETTEVILLE	NC
2.46 /4.06	YR	SHELBY	NC
2.48 /4.08	M	NASHVILLE	TN
2.50 /4.10		BALDWIN	GA
	BB	ROANOKE	VA
2.52 /4.12	FP	ATLANTA/MARIETTA	GA
	EC	BALD CREEK	NC
		FLAT TOP/WINTRPL	WV
2.54 /4.14	OI	GREENSBORO	NC
	HF	PICKENS/CSRS HD	SC
	GS	FRANKLIN	TN
	YQC	CHARLOTTESVILLE	VA
	M	#WILLIAMSON	WV
2.56 /4.16	IFL	CHEAHA MTN, AL	GA
	JNN	SASAFRAS MTN	GA
	K	LENOIR/HIBRITN	NC
	S	NASHVILLE	TN
2.58 /4.18	GLC	BRUNSWICK	GA
	YDX	DALLAS	GA
	NRL	CHARLESTON	SC
	ZMS	LYNCHBURG	VA
2.60 /4.20	OVY	ATLANTA-NE	GA
	UA	AUGUSTA	GA
	GN	WILMINGTON	NC
	ILY	GREENVILLE	SC
	KMG	BLOUNTVILLE	TN
	YTU	BROWNSVILLE	TN
	PEA	HAMPDEN-SYDNEY	VA
2.62 /4.22	QP	VERSAILLES	KY
	C	ROCKY MOUNT	NC
	FZK	KNXVL/CROSS MT	TN
	BN	SPRINGFIELD	TN
2.64 /4.24	YYD	ELLIJAY-BUCK MTN	GA
	KNI	HENDSVL/BERWLW M.	NC
2.66 /4.26	L	MARIETTA	GA
	BVW	ASHVL/MT PISGAH	NC
	WTX	HILLSBOROUGH	NC
	NP	SHORT MTN	TN
2.68 /4.28	BLR	ATLANTA	GA
	OAK	LAFOLLETTE	TN
	M	LYNCHBURG	VA
2.70 /4.30	NYV	TEMPLE	GA
	MKT	LOUISVILLE	KY
	AI	SOMERSET	KY
	PVI	STATESVILLE	NC
2.72 /4.32	MTA	ACWORTH	GA
	JBF	THOMASVILLE	GA
	WA	PASCAGOULA	MS
	WGA	JACKSONVILLE	NC
	X	PICKENS/SASFR MT	SC
	US	CLEVELAND	TN
2.74 /4.34	DOC	ATLANTA	GA
	AZA	THOMASVILLE	NC
2.76 /4.36	BZJ	DALTON	GA
	PAC	GRIMESLAND	NC
	TYO	MARSHALL	NC
	ZOE	NASHVILLE	TN
	YST	CHARLESTON	WV
2.78 /4.38	RBT	CLEVELAND	GA
	OQJ	KNOXVILLE	TN
	QT	DANVILLE	VA
2.80 /4.40	BFB	CHARLOTTE	NC
	QHF	PICKENS	SC
	YGI	COLLIERVILLE	TN
	RBB	MORRISTOWN	TN
2.82 /4.42	YSV	ROME	GA
	AO	LEXINGTON	KY
	VEZ	#LOUISVILLE	KY
	BS	MEMPHIS	TN
	DE	COLLINSVILLE	VA
	GSM	NORTON/HIGH KNOB	VA
2.84 /4.44	NEQ	ATL/MARIETTA	GA
	IEV	SPINDALE	NC
	CW	WEST SPRINGS	SC
	OG	NASHVILLE	TN
	FUV	SEVIERVILLE	TN
	GLA	DANVLE/WHITE OAK	VA
2.86 /4.46	HT	#CALHOUN	GA
	Y	VALDOSTA	GA
	ZTJ	SHELBY	NC
	YON	KNOXVILLE	TN
2.88 /4.48	PRH	NORCROSS	GA
	ZIA	LOCUST	NC
	ZGA	NASHVILLE	TN
2.90 /4.50	MTA	MARIETTA	GA
	TYP	BILOXI	MS
	YNY	WILMINGTON	NC
	BBB	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	BVI	MARTINSVILLE	VA
2.92 /4.52	KSM	WALESKA/PNLGMT	GA
	RPB	GLEN	MS
	RWN	LITTLE MTN	SC
	OBW	JONESBOROUGH	TN
	ONG	RICHMOND	VA
2.94 /4.54	YEA	DALLAS	GA
	BVW	MT MITCHELL	NC
2.96 /4.56	DOC	ATLANTA	GA
	RXF	LANCASTER	KY
	EHF	FAYETTEVILLE	NC
	ARY	BLF/ONEIDA PK	VA
2.98 /4.58	F	PIKEVILLE	KY
	FKC	ROCKY MOUNT	NC
	YHH	SAURATOWN MT	NC
	VFD	CROSS	SC
	KFI	KNOXVILLE	TN
3.00 /4.60	GIS	CARTERSVILLE	GA
	N	ASHEVILLE	NC
	NNR	HIGH POINT	NC
	HMT	LAKE GASTON	VA
3.02 /4.62	ZTL	ATLANTA/BELL	GA
	DAR	PIKEVILLE	KY
	THN	GLOUCESTER PT.	VA
3.04 /4.64	ABZ	RINGGOLD	GA
	PEN	RALEIGH	NC
	YHH	WINSTON-SALEM	NC
	SWI	COLUMBIA	SC
	RGQ	CLINCH MTN	TN
3.06 /4.66	BKM	MACON	GA
	PLA	MARS HILL	NC
	AM	SUNSET BEACH	NC
	VFR	SUMTER/SHAW	SC
	S	NASHVILLE	TN
3.08 /4.68	BZJ	DALTON	GA
	KPF	LK NORMN/CLT	NC
3.10 /4.70	PZD	HIRAM	GA
	RXG	SAURATOWN MT	NC
	IBW	KNOXVILLE	TN
	ARO	PETERSBURG	VA
3.12 /4.72	MBK	CLAYTON	GA
	DAN	TRENTON	NC
	KO	COLUMBIA	TN
3.14 /4.74	KVC	DALTON	GA
	CJR	HATTIESBURG	MS
	TFU	ASHEVILLE	NC
	UO	OXFORD	NC
	PYI	NASHVILLE	TN
	RAG	STAUNTON	VA
	WQJ	VIRGINIA BEACH	VA
3.16 /4.76	BOC	STONE MT	GA
	EXU	SALISBURY	NC
	E	GREENBRIER	TN
	TFZ	CHARLOTTESVILLE	VA
3.18 /4.78	KLW	ROCKMART	GA
	D	ACKERMAN	MS
	WGY	EDEN	NC
	BR	ORANGEBURG	SC
	VCM	CHATTANOOGA	TN
	UCI	JC/BUFFALO MT	TN
	KOG	MEMPHIS	TN
3.20 /4.80	PML	MORGANTON	NC
	E	GREENBRIAR	TN
3.22 /4.82	C	ATLANTA	GA
	MOP	LOUISVILLE	KY
	D	ACKERMAN	MS
	HTS	ARCHDALE	NC
	DWU	CANTON	NC
3.24 /4.84	MU	PERRY	GA
	DAN	GRIFTON	NC
	PHT	DAYTON	TN
	PLV	BEDFORD	VA
4.34 /4.84	YGI	CHEAHA MTN, AL	GA
3.26 /4.86	JNN	ALPHARETTA	GA
	GYR	SUMTER	SC
	PVT	HAMPTON	VA
3.28 /4.88	UPC	YORKVILLE	GA
	AI	SOMERSET	KY
	VNO	BAY ST. LOUIS	MS
	AIH	ANDREWS/ROBBINSV	NC
	RXG	SAURATOWN MT	NC
	DRL	FISHERVILLE	TN
3.30 /4.90	QPL	MARIETTA	GA
	ST	PONTOTOC	MS
	EOY	COLUMBIA	SC
	ZOK	CHATT/SIGNAL MT	TN
	SBX	GRAY/HOLSTON MTN	TN
	HQ	DELTAVILLE	VA
3.32 /4.92	IFL	RALEIGH	NC
	NYK	ROPER MT/GRNVL	SC
	LGA	BLFD/E.RIVER MTN	VA
3.34 /4.94	KXO	AUGUSTA	GA
	EV	ROSSVILLE	GA
	YUU	LEXINGTON	KY
	JJ	FLORENCE	SC
	NKM	GREENEVILLE	TN
	PCD	NASHVILLE	TN
	EM	ROANOKE/CHAUS MT.	VA
3.36 /4.96	ZJG	HIRAM	GA
	JTX	CHERRYVILLE	NC
	CH	GOLDSBORO	NC
	UQS	HENDERSONVILLE	NC
	WTB	SAURATOWN MT	NC
	TUN	AIKEN	SC
	RA	LAVERGNE	TN
3.38 /4.98	JSR	CUMMING	GA
	PNG	JARVIS	KY

440 MHZ

7.25 /EACON	NEQ	ATL/MARIETTA	GA
2.395/EACON	MW	MEMPHIS	TN
9.45 /5.67	DOC	ATLANTA	GA
4.00 /1.25	ZTL	#ATLANTA/BELL	GA
	EM	MEMPHIS	TN
9.25 /1.25	PXX	BRNSWK/JEKYLL IS	GA
	PPN	CHARLOTTE	NC
	AZA	SAURATOWN MT	NC
	GUP	LEXINGTON	SC
	ZQ	NASHVILLE	TN
9.250/1.250	NS	ELIZABETHTOWN	KY
	TPI	PULASKI	TN
9.25 /3.25	UMU	SUMTER	SC
	VHP	SAVANNAH	GA
	HTB	BOWLING GREEN	KY
	NOJ	GAUTIER	MS
	NOJ	WAYNESBORO	VA
	MM	ALBANY	GA
	AOH	OWENSBORO	KY
	NYR	SHELBY	NC
6.25 /9.25	FHL	ROANOKE/POOR MT.	VA
7.00 /2.00	RTH	ALPHARETTA	GA
	ORL	LOUISVILLE	KY
	KPW	#MARSHALL	NC
	HMT	GASBURG	VA
	T	WYTHE/WALKER MTN.	VA
7.025/2.025	SWI	BENTON/BEAN MT	TN
7.05 /2.05	XV	JASPER	TN
	BJY	MEDINA	TN
7.075/2.075	VOS	STANTON	KY
	VY	LONE MOUNTAIN	TN
7.10 /2.10	ABJ	MILAN	TN
7.125/2.125	PLP	ROSSVILLE	GA
7.15 /2.15	QO	DUNWOODY	GA
	BEA	RALEIGH	NC
	J	CHATTANOOGA	TN
7.150/2.150	TPI	PULASKI	TN
7.175/2.175	BZJ	#DALTON	GA
	EO	ROCKY FACE	GA
	YUY	ROANOKE	VA
7.20 /2.20	APR	DECATUR	GA
	DWU	ELLISVILLE	MS
	GN	WILMINGTON	NC
	YCR	BETHPAGE	TN
	SBX	GRAY/HOLSTON MT	TN
	BJY	OAKFIELD	TN
7.225/2.225	DYH	LOUISVILLE	KY
	GUG	GREENSBORO	NC
7.25 /2.25	DWU	ELLISVILLE	MS
	PQA	GREENVILLE	SC
	DES	CLEVELAND	TN

	HTI	COVINGTON	VA
7.275/2.275	VTT	MACON	GA
	ZCM	AUBURN	NC
7.30 /2.30	NOG	DULUTH	GA
	OOC	MORG. WALKER TOP	NC
	VFD	CROSS	SC
	UBR	COOKEVILLE	TN
	VDZ	RICHMOND	VA
	BS	BECKLEY/BOLT	WV
7.325/2.325	JSR	CHATTANOOGA	TN
7.35 /2.35	NHW	BALDWIN	GA
7.375/2.375	PXV	WEST JEFFERSON	NC
7.40 /2.40	UER	WARM SPRINGS	GA
	XV	LATONIA	KY
	QHF	PICKENS/CSRS HD	SC
	SSB	MONTEAGLE	TN
	YI	LYNCHBG/JACK MT.	VA
7.425/2.425	HCA	CLARKESVILLE	GA
	FIE	MADISONVILLE	KY
7.45 /2.45	RBL	LOUISVILLE AREA	KY
	LMR	RALEIGH	NC
	NEB	CLEVELAND	TN
7.475/2.475	NVG	LAVONIA	GA
7.50 /2.50	RYM	LOUISVILLE	KY
	SSB	HENDERSONVILLE	TN
	NTZ	KNOXVILLE	TN
	CA	ROANOKE/POOR MT	VA
7.500/2.500	YNY	WILMINGTON	NC
7.55 /2.55	JEH	CONYERS	GA
	MMY	PITTSBORO	NC
	ZBE	RICHMOND	VA
7.60 /2.60	USU	MURPHY	NC
	SSB	GALLATIN	TN
	VA	#HUNTINGTON	WV
7.625/2.625	NSO	GAINESVILLE	GA
	AM	SUNSET BEACH	NC
	EPG	MEMPHIS	TN
7.65 /2.65	ZMS	LYNCHBURG	VA
7.675/2.675	UP	LAWRENCEBURG	TN
7.70 /2.70	HHH	ELLIJAY	GA
	AZU	SAVANNAH	GA
	SSB	GORDONSVILLE	TN
	VG	ROANOKE/POOR MT.	VA
7.725/2.725	NMF	ATLANTA/SWEAT MT.	GA
	YJ	LOUISVILLE	KY
7.75 /2.75	EMM	#CONYERS	GA
	GR	BAKERSVILLE	NC
7.775/2.775	EBZ	MADISONVILLE	KY
7.80 /2.80	AAD	YADKINVILLE	NC
	EPG	JACKSON	TN
	MIC	GUM SPRING	VA
7.825/2.825	G	MEMPHIS	TN
7.875/2.875	IWK	MACON	GA
7.90 /2.90	AZA	THOMASVILLE	NC
	BNW	MULLOY	TN
7.925/2.925	YHM	EATONTON	GA
7.95 /2.95	FU	LYNCHBURG	VA
7.975/2.975	YNZ	ATLANTA	GA
8.00 /3.00	OGF	CHATSWORTH	GA
	YP	#GOLDSBORO	NC
	KPW	#MARSHALL	NC
	EOY	COLUMBIA	SC
	ZJM	MEMPHIS	TN
	X	WHITETOP MTN	VA
	EZR	HUNTINGTON	WV
8.80 /3.00	KOG	MEMPHIS	TN
8.025/3.025	DZ	BURLINGTON	NC
8.05 /3.05	CH	GOLDSBORO	NC
	PUB	MT JULIET	TN
8.075/3.075	UAG	KNXVL/CROSS MTN	TN
8.10 /3.10	IZD	LYNCH/BLACK MT	KY
	GGC	SAURATOWN MT	NC
	GPM	FAYETTEVILLE	TN
	JXT	MEMPHIS	TN
	ADW	POWHATAN	VA
	LJZ	WOODBRIDGE	VA
	FHE	BUCKHANNON	WV
8.125/3.125	DEB	HAMPTON	GA
8.15 /3.15	QO	DUNWOODY	GA
	HG	SALISBURY	NC
	MHR	ST. ALBANS	WV
8.175/3.175	ARO	GREENBAY	VA
8.20 /3.20	APP	HIGH HOUSE MTN	GA
	ZIA	#HAMLET	NC
	UG	GRNVLE/VIKING MT	TN
	BS	MEMPHIS	TN
8.225/3.225	QCP	JONESBORO	GA
	ZCM	RALEIGH	NC
8.25 /3.25	VF	DORTON	KY
	JEX	KANNAPOLIS	NC
8.275/3.275	KLW	ROCKMART	GA
8.30 /3.30	X	ATHENS	GA
	DZJ	WIGGINS	MS
	SVQ	ARCHDALE	NC
	IEV	SPINDALE	NC
	KJH	GATLBG/COVE MT	TN
8.325/3.325	JMD	STOCKBRIDGE	GA
	JMD	STOCKBRIDGE	GA
8.35 /3.35	YYD	ELLIJAY-BUCK MTN	GA
	VEI	PETAL	MS
	N	GRNVLE/PARIS MT	SC
	LFU	RICHMOND	VA
8.375/3.375	AQS	CALHOUN/JASPER	GA
	IFL	RALEIGH	NC
8.40 /3.40	RDM	HAMPTON	GA
	WTB	SAURATOWN MT	NC
	RPC	YAUPON BEACH	NC
	TUN	AIKEN	SC
	DBJ	CUMBERLAND CITY	TN
	QWW	MEMPHIS	TN
8.425/3.425	CPO	BRUNSWICK	GA
	MDE	JASPER	GA
	SQC	JOHNSON CITY/HMV	TN
8.45 /3.45	VAK	HIGH PT/LOOKT MT	GA
	VOZ	STATESVILLE	NC
8.475/3.475	X	CHAPEL HILL	NC
	TWX	ROCK HILL	SC
8.50 /3.50	EQC	LOUISVILLE	KY
	UBY	META	KY
	X	LAUREL	MS
	PQZ	GREENSBORO	NC
	WKS	PARIS/GROVE HL	TN
	CWB	SEVIERVILLE	TN
8.500/3.50	BQX	MARIETTA	GA
8.525/3.525	KLW	ROCKMART	GA
8.55 /3.55	IN	DACULA	GA
	HZX	GRAEFENBURG	KY
	LRQ	HATTIESBURG	MS
	XE	ROARING GAP	NC
	ELM	SMITHFIELD	VA
8.575/3.575	PXV	BOONE/RICH MTN	NC
8.60 /3.60	BA	MARIETTA	GA
	HYE	MENDENHALL	MS
	DWU	MT MITCHELL	NC
	CXD	FOREST	VA
8.625/3.625	MJN	JAMESTOWN	TN
	E	#ONEIDA PEAK/BLF	VA
8.65 /3.65	ZV	ATLANTA	GA
	D	ACKERMAN	MS
	AIH	ANDREWS/ROBBINSV	NC
	UMI	HAMPTON	VA
	BON	ROANOKE/POOR MT.	VA
8.675/3.675	FRP	CROWDERS MTN	NC
	IBW	KNOXVILLE	TN
8.70 /3.70	BA	MARIETTA	GA
	LXW	HIGH POINT	NC
	LBT	LOCUST	NC
	DOR	BARTLETT	TN
8.725/3.725	OTT	CARTHAGE	TN
8.75 /3.75	TF	COVINGTON	GA
	YOT	GASTONIA/CROWDER	NC
	EDS	ALAMO	TN
	EG	#ROANOKE AIRPORT	VA
8.775/3.775	QP	VERSAILLES	KY
	JFN	HAW RIVER	NC
	CWY	LAURENS	SC
8.80 /3.80	NFP	ATLANTA/MARIETTA	GA
	IAT	NATCHEZ	MS
	HNK	SUMMERVILLE	SC
	CWB	SEYMOUR	TN
	NDH	CHESAPEAKE	VA
8.825/3.825	KRM	SHELBYVILLE	TN
	KZI	PETERSBURG	VA
8.85 /3.85	YSV	WALESKA/PNLOG MT	GA
	ULM	FRANKLIN	TN
	OB	STAFFORD	VA
8.875/3.875	LXT	ATLANTA	GA
	MZ	HAW RIVER	NC
	KPW	PINEY KNOB	NC
	DUM	WILLIS	VA
8.90 /3.90	DEB	GRIFFIN	GA
	DWU	ELLISVILLE	MS
	JIF	HIGH POINT	NC
	EVG	CHESAPEAKE	VA
8.925/3.925	LJU	RINGGOLD	GA
	YR	SOUTH BOSTON	VA
8.95 /3.95	UFM	DECATUR	GA
	OWV	CHARLOTTE	NC
	RYF	MEMPHIS	TN
	NTG	WILLIAMSBURG	VA
8.975/3.975	WGY	EDEN	NC
	BRN	MEMPHIS	TN
	WJS	ROCKWOOD	TN
	RA	SMRYNA	TN
	FIP	WESTON	WV
9.00 /4.00	QDX	LAWRENCEVILLE	GA
	AFY	SAVANNAH	GA
	II	JACKSON	MS
	JEQ	HICKORY	NC
	WAA	#ROCKY MT	NC
	YP	SELMA	NC
	JJ	FLORENCE	SC
	BKY	GALLATIN	TN
	ETE	MEMPHIS	TN
	CWB	SEVIERVILLE	TN
	SN	PORTSMOUTH	VA
	IT	MULLENS/HRNDN MT	WV
9.025/4.025	MSE	STONE MT	GA
	DZ	HIGH POINT	NC
	RDK	MEMPHIS	TN
9.05 /4.05	NEQ	ATLANTA/MARIETTA	GA
	OLC	TAYLORSVL/BARR M	NC
	OG	NASHVILLE	TN
	OLM	STUARTS DRAFT	VA
9.075/4.075	UP	ETHRIDGE	TN
	PDQ	MARYVILLE	TN
9.10 /4.10	BKM	MACON	GA
	MNI	BOWLING GREEN	KY
	UL	LOUISVILLE	KY
	WUX	MERIDIAN	MS
	WTX	DURHAM	NC
	MZL	LANCASTER	SC
	AM	CHATTANOOGA	TN
	JXT	MEMPHIS	TN
	FOZ	STAUNTON/EL KNOB	VA
	LFS	WILLIAMSBURG	VA
9.125/4.125	YOQ	BOSTIC	NC
	ECD	LAFAYETTE	TN
9.15 /4.15	ZTL	ATLANTA/BELL	GA
	BJT	CLERMONT HARBOR	MS
	YCR	NEW ALBANY	MS
	IZF	GASTONIA	NC
	NTM	NASHVILLE	TN
	ZR	LEXNGTN/ROCK MT.	VA
9.175/4.175	QOW	COVINGTON	GA
	COV	UNION	KY
	NNN	KNOXVILLE	TN
	WTB	STUART/SPOON MTN	VA
	FMD	CLARKSBURG	WV
9.20 /4.20	LBM	DECATUR	GA
	E	OAK LEVEL	KY
	TRS	PRESTONSBURG	KY
	YNF	AHOSKIE	NC
	GN	WILMINGTON	NC
	GYM	#WEST COLUMBIA	SC
	YTU	BROWNSVILLE	TN
	NEX	MORRISTOWN	TN
	ECM	ENON	VA
	EZA	WAYNESBORO	VA
9.225/4.225	VWK	YANCEYVILLE	NC
	ARK	NASHVILLE	TN
9.25 /4.25	BOC	ATLANTA/STONE MT	GA
	DC	GLASGOW/CVCTY	KY
	CYR	GULFPORT	MS
	KNI	HENDSVL/BERWLW M.	NC
	BFI	SMITHFIELD	NC
	PAJ	BARTLETT	TN
	E	GREENBRIER	TN
	TFZ	CHARLOTTESVILLE	VA
9.275/4.275	VTT	MACON	GA
	NC	WINSTON-SALEM	NC
	GZX	CLEVELAND	TN
	AXH	LEBANON	TN
9.30 /4.30	WH	JENKINS	KY
	ZZD	LOUISVILLE	KY
	WOR	GREENSBORO	NC
	MNH	CHARLESTON	SC
	DRL	FISHERVILLE	TN
	GBI	KNOXVILLE	TN
	BZU	NASHVILLE	TN
9.325/4.325	BA	MARIETTA	GA
	BZU	CLARKSVILLE	TN
	T	WYTHEVILLE/SAND	VA
	ZXP	GLENVILLE	WV
9.35 /4.35	Y	VALDOSTA	GA
	CO	HIGHLAND HEIGHTS	KY
	V	GIBSONVILLE	NC
	BKY	GALLATIN	TN
	DBB	BEDFD/APL ORCH	VA
9.375/4.375	IZF	JASPER	GA
	HAV	PEARL	MS
	OWU	FANCY GAP	VA
9.40 /4.40	UA	AUGUSTA	GA
	ULJ	HAMILTON	GA
	LU	LAWRENCEVILLE	GA
	LTW	MERIDIAN	MS
	YZF	FAYETTEVILLE	NC
	YOQ	FOREST CITY	NC
	KOG	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	WA	WATERTOWN	TN
	OMC	DANVILLE	VA
	ARO	PETERSBURG	VA
	G	ALDERSON	WV
9.90 /4.40	DEP	AUDRA PARK	WV
9.425/4.425	NNN	KNOXVILLE	TN
	ISI	ALTAVISTA	VA
9.45 /4.45	DOC	ATLANTA	GA
	LCL	JACKSON	MS
	CQ	CHARLOTTE	NC
	YTU	BROWNSVILLE	TN
	KWP	GALLATIN	TN
	J	SODDY DAISY	TN
	MOP	BLUEFIELD	VA
	MOP	BLUEFIELD	WV
9.475/4.475	CLA	SWEAT MT/MARIETT	GA
9.50 /4.50	MM	ALBANY	GA
	UWL	ATLANTA	GA
	APA	HENDERSON	KY
	MOP	LOUISVILLE	KY
	WK	WAYNESBORO	MS
	ICX	LEXINGTON	NC
	GYR	SUMTER	SC
	LSP	BRISTOL/HLT MT	TN
	KSL	KNOXVILLE	TN
	HEX	LYNCHBURG/TOBRMT	VA
	Y	BUCKHANNON	WV
9.525/4.525	VF	GRETHEL	KY
	MRS	NEW HEBRON	MS
	PEN	RALEIGH	NC
	DCD	MYB BCH/LKSVIL	SC
	BGK	NASHVILLE	TN
	PYI	SMITHVILLE	TN
9.55 /4.55	JEH	CONYERS	GA
	KQ	LEWISPORT	KY
	VTE	GASTONIA	NC
	VM	ROANOKE RAPIDS	NC
	Y	COOKEVILLE	TN
	O	MCNAIRY	TN
	OGT	HAMPTON	VA
	AF	THE PENTAGON	VA
9.575/4.575	AQG	DOUGLASVILLE	GA
	MVY	PHELPS	KY
	SD	SALISBURY	NC
	WCK	NASHVILLE	TN
	DE	COLLINSVILLE	VA
9.60 /4.60	KMS	COVINGTON	GA
	NMC	LOUISVILLE	KY
	CO	CLINTON	MS
	BFB	CHARLOTTE	NC
	UO	OXFORD	NC
	UDD	NORTH CHARLESTON	SC
	HAP	KNOXVILL/EG MTN	TN
	JXI	MEMPHIS	TN
	K	WESTON	WV
9.625/4.625	WQ	ATLANTA	GA
	QFL	HAWESVILLE	KY
	ZCD	HICKORY FLT	MS
	OCF	RICHTON	MS
	DVN	LUMBERTON	NC
	TK	NASHVILLE	TN
	E	BLUEFIELD	VA
9.65 /4.65	IBW	SMYRNA	GA
	KOL	BOWLING GREEN	KY
	ST	HORN LAKE	MS
	J	MIDDLESEX	NC
	MME	SALISBURY	NC
	NKM	GREENEVILLE	TN
	MWQ	#MCMINNVLLE/HF	TN
	OYS	SHORT MTN	TN
	ARO	RICHMOND/ASHLAND	VA
9.675/4.675	EBZ	NEWNAN	GA
	VYX	PIKEVILLE	KY
	DIL	CHARLOTTE	NC
	WGA	JACKSONVLE	NC
	JMT	MYR BCH/CONWAY	SC
	PCD	NASHVILE	TN
	MIZ	NORFOLK	VA
9.70 /4.70	LUQ	DALLAS	GA
	ELN	VALDOSTA	GA
	AUN	LOUISVILLE	KY
	Y	JACKSON	MS
	YMY	DENVER/CLT	NC
	JEH	ROCKY MOUNT	NC
	WWB	GATE CITY	VA
	LG	MORGANTOWN	WV
9.725/4.725	NFA	WATKINSVILLE	GA
	ZY	LEXINGTON	KY
	QDK	WINSTON-SALEM	NC
	RAV	BLUFF CITY	TN
	AKM	FRANKLIN	TN
	FO	KEENY MTN	WV
9.75 /4.75	EMM	CONYERS	GA
	VZF	STARKVILLE	MS
	IZF	GASTONIA/CROWDER	NC
	TC	HENDERSON	TN
	KQI	FOREST	VA
	BNW	CHARLESTON	WV
9.775/4.775	NEQ	ATLANTA/MARIETTA	GA
	YHH	KING/SAURATOWN M.	NC
	ATC	RALEIGH	NC
	AKM	GALLATIN	TN
	G	PARKERSBURG	WV
9.80 /4.80	ASI	COVINGTON	GA
	BEJ	ELIZABETHTOWN	KY
	J	GREENVILLE	NC
	YEC	REIDSVILLE/EDEN	NC
	RG	GAFFNEY	SC
	JXI	MEMPHIS	TN
	LP	MORRISTOWN	TN
	MIC	OILVILLE	VA
	G	BECKLEY/KINGSTON	WV
	CUL	MORGANTOWN	WV
9.825/4.825	DOC	ATLANTA	GA
	VXR	SALEM	KY
	DSN	AMORY	MS
	UY	MT AIRY/FSH PK	NC
	FC	MEMPHIS/ADAMS MK	TN
	PYI	SMITHVILLE	TN
	ZBP	STAUNTON	VA
9.85 /4.85	BZJ	DALTON	GA
	UM	MIDWAY	GA
	YUU	LEXINGTON	KY
	NI	NEBO	KY
	DU	INDIANOLA	MS
	WRE	POPLARVILLE	MS
	CQ	CHARLOTTE	NC
	GMP	WILMINGTON	NC
	NDQ	NORTON/HIGH KNOB	VA
	ARO	RICHMOND	VA
	KOU	VIENNA	VA
9.875/4.875	ELV	CONYERS	GA
	UPE	SALVISA	KY
	BEC	BALD CREEK	NC
	DW	RALEIGH	NC
	LRD	CHATTANOOGA	TN
	BOX	JACKSON	TN
	AKM	NASHVILLE	TN
	WTP	BIG "A" MTN	VA
9.90 /4.90	IVB	CORBIN	KY
	YWH	HIGHLAND HEIGHTS	KY
	D	ACKERMAN	MS
	DWT	ASHEVILLE	NC
	JMS	NEW BERN	NC
	J	WILSON	NC
	MMI	RAMER	TN
	IDG	WATERTOWN	TN
	CD	FANCY GAP	VA
9.925/4.925	NNO	ATLANTA	GA
	PJR	JESUP	GA
	MKG	ASHLAND	KY
	WZH	GLASGOW	KY
	PYQ	SOUTHAVEN	MS
	TTE	VICKSBURG	MS
	XRY	MT. AIRY	NC
	BUH	ANDERSON/SAS MT	SC
	JMT	GEORGETOWN	SC
	BGK	COLUMBIA	TN
	VIH	DOVER	TN
	CLA	PIGEON FORGE	TN
	BON	ROANOKE/TINKER M	VA
9.95 /4.95	I	AUGUSTA	GA
	MU	PERRY	GA
	EJA	LEXINGTON	KY
	EYM	WINONA	MS
	WXL	DALLAS/CHARLOTTE	NC
	DW	RALEIGH	NC
	PBC	CHARLESTON	SC
	SIR	BENTON/BEAN MT	TN
	GP	CLARKSVILLE	TN
	NNE	MEMPHIS	TN
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	CQV	SO. CHARLESTON	WV
9.975/4.975	YNZ	ATLANTA	GA
	TVE	BRUNSWICK	GA
	TAT	ASHLAND	KY
	CWF	NICHOLASVILLE	KY
	AGD	JACKSON	MS
	ML	ASHEBORO	NC
	ZTJ	POLKVILLE	NC
	O	ORANGEBURG	SC
	LP	MORRISTOWN	TN
	AKM	NASHVILLE	TN
	AZJ	PEARISBURG	VA
2.10 /7.10	GYM	COLUMBIA	SC
3.40 /8.40	EKZ	CEDARTOWN	GA
3.85 /8.85	YSV	WALUSKA/PINE LOG	GA
4.60 /9.60	SJH	SPRINGFIELD	KY
4.825/9.825	DOC	ATLANTA	GA
9.25 /2.25	HTB	BOWLING GREEN	KY
6.25 /3.25	HEX	LYNCHBURG	VA
9.25 /0.00	HTB	BOWLING GREEN	KY

SERA REPEATER INDEX LISTINGS BY CITY - BY STATE

GEORGIA REPEATERS

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
ATL/MARIETTA	N4NEQ	29.54	29.64	*	L
DALTON	N4BZJ	29.58	29.68	*	AL

6 METERS

ATL/MARIETTA	N4NEQ	52.09	53.09	*	L
AUGUSTA	K4EDU	52.03	53.03	*	O
CARTERSVILLE	WB4AEG	52.07	53.07	*	PR
#CONYERS	WB4JEH	52.55	51.55	*	UNCOORD.
CONYERS	WB4JEH	52.55	53.55	*	
DALTON	N4BZJ	52.13	53.13	*	
#HIGH HOUSE MTN.	W4VWH	52.45	53.45	*	UNCOORD.
JULIETTE	KC4ZIZ	52.43	53.43	*	
PINE LOG MT	WB4UPC	52.05	53.05	N	L
PINE LOG MT	KE4PN	52.29	53.29	N	L
VALDOSTA	KB0Y	52.89	53.89	*	

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	*	PL
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	A
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	N	
AMERICUS	WD4EBB	147.87	147.27	N	
#ASHBURN/TIFTON	WD4LYV	147.885	147.285	*	UNCOORD.
ATHENS	WA4BKF	146.145	146.745	*	P
ATHENS/CRAWFORD	K4TQU	147.975	147.375	*	P
ATL/UNION CITY	WA4UPE	146.025	146.625	*	BEP
ATLANTA	W4AQL	144.55	145.15	N	PEB
ATLANTA	K4DRQ	144.69	145.29	*	B
ATLANTA	W4DOC	144.75	145.35	N	
ATLANTA	W4DOC	144.75	145.35	*	
ATLANTA	WB4QGR	146.04	146.64	N	T
ATLANTA	W4DOC	146.22	146.82	*	EP
ATLANTA	K4CLJ	146.37	146.97	*	T
ATLANTA	WA4NNO	146.40	147.00	N	P
ATLANTA	K4YSB	147.705	147.105	N	Y
ATLANTA	K4JPD	147.795	147.195	*	T
ATLANTA	WD4KDT	147.855	147.255	*	BELP
ATLANTA/AIRPORT	W4REI	147.63	147.03	N	
ATLANTA/BELL	W4PME	144.81	145.41	*	BEP
ATLANTA/GPCO	WA4VBX	147.885	147.285	*	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	*	ABLRT118.8
ATLANTA/MARIETTA	N4NEQ	147.945	147.345	*	ELRP118.8
ATLANTA/SWEAT MT	KD4NC	146.13	146.73	*	LK
AUGUSTA	W4TUN	144.51	145.11	N	A
AUGUSTA	N4TDL	144.69	145.29	*	
AUGUSTA	AA4UA	144.77	145.37	N	AB
#AUGUSTA	NA4I	144.81	145.41	*	UNCOORD.
AUGUSTA	W4DV	144.89	145.49	N	AB
AUGUSTA	N4MWQ	146.04	146.64	*	K
AUGUSTA	KT4N	146.34	146.94	N	
AUGUSTA	NA4I	146.385	146.985	*	BELP
AUGUSTA	NI4S	147.72	147.12	N	P
AUGUSTA	N4BMA	147.78	147.18	N	Y
BALDWIN	WD4NHW	147.78	147.18	*	A
BONAIRE	KM4DT	147.615	147.015	N	
BOSTON	W4UCJ	147.795	147.195	*	ABE
BRNSWK/JEKYLL IS	KB4PXX	144.81	145.41	*	
BRUNSWICK	K4TVE	146.13	146.73	N	A
CALHOUN/JASPER	KC4AQS	147.405	146.805	N	PLBR
CARROLLTON	W4FWD	146.04	146.64	*	BET131.8
CARTERSVILLE	N4GIS	146.415	147.015	*	BERP
CEDARTOWN	W4CMA	147.72	147.12	*	P
CHEAHA MTN (AL)	WB4GNA	147.69	147.09	*	
CLARKESVILLE	K4HCA	147.72	147.12	*	BEP
CLAYTON	WA4BLQ	144.65	145.25	*	
CLEVELAND/LONG	WB4HIG	146.31	146.91	N	A
COCHRAN	N4MXC	144.51	145.11	*	ABE
COLUMBUS	KA4CEK	144.71	145.31	N	
COLUMBUS	W4CVY	146.01	146.61	N	A
COLUMBUS	W4CVY	146.28	146.88	N	
COMMERCE	KB4ZUN	147.825	147.225	N	
CONYERS	WB4JEH	144.63	145.23	*	
CONYERS	WB4JEH	146.01	146.61	*	T151.4
CONYERS	N4EMM	147.81	147.21	*	PEB
COOLIDGE	N4JBF	144.57	145.17	N	PR
CORDELE	KA4WUJ	144.89	145.49	*	
COVINGTON	WA4ASI	146.325	146.925	*	AL
COVINGTON	WA1KMS	147.87	147.27	*	
CUMMING/SAWNEE	K4BYK	147.75	147.15	N	PL
DAHLONEGA	N4KHQ	147.435	146.835	*	
DALLAS	K4DVJ	146.25	146.85	N	PE
DALLAS	WD4LUQ	147.495	146.895	*	BRT77.0
DALTON	KE4UJ	144.63	145.23	N	A
DALTON	N4BZJ	147.735	147.135	*	ABELRT100.
DECATUR	W4BOC	144.85	145.45	*	
DOUGLASVILLE	N4UOX	144.51	145.11	*	P
DOUGLASVILLE	WA4CLC	147.96	147.36	*	
DUBLIN	WA4HZX	147.96	147.36	N	A
EASTMAN	K4KEC	144.61	145.21	*	B
EATONTON	KC4YHM	147.69	147.09	*	ABEL
ELBERTON	N4UJT	146.025	146.625	N	
ELLIJAY/TALONA M	W4HHH	146.385	146.985	*	AB
FAYETTEVILLE	W4PSZ	144.61	145.21	N	PE
FAYETTEVILLE	K4UWN	146.085	146.685	N	
FOLKSTON	K4DMK	146.19	146.79	N	
#FORSYTH	W4STJ	147.315	147.915	N	UNCOORD.
FORSYTH	KB4KIN	147.765	147.165	N	PL
#FORT MTN	N4YYD	144.625	145.525	N	UNCOORD.
GAINESVILLE	W4NSO	146.07	146.67	*	PET131.8
GRIFFIN	K4HYB	144.79	145.39	*	P
GRIFFIN	K4HYB	146.31	146.91	N	
HARTWELL	WA4RBS	146.295	146.895	*	B
HINESVILLE	KK4UV	144.87	145.47	*	AB
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	*	RPLB
JASPER	W4OOM	146.10	146.70	*	
JESUP	WA4EQL	146.07	146.67	*	
JESUP	N4PJR	146.325	146.925	*	P
JESUP/SCREVEN	N4PJR	147.945	147.345	*	O
JONESBORO	WA4DIW	144.57	145.17	*	E
JONESBORO	WA4OGE	144.73	145.33	*	E
JULIETTE	KD4IEZ	146.205	146.805	*	ET100.0
KIBBEE	K4HVK	146.22	146.82	*	A
LAFAYETTE	KB4VAK	147.975	147.375	N	A
LAGRANGE	WB4BXO	147.93	147.33	N	
LAVONIA	K4NVG	146.115	146.715	*	BEPT100.0
LAWRENCEVILLE	WD4JXR	147.675	147.075	N	EP
MACON	WB4OLL	144.83	145.43	*	PLR
MACON	W4BKM	146.06	146.66	*	NBP
MACON	N3SM	146.295	146.895	*	AT123.0
MACON	WA4DDI	147.66	147.06	*	T
MADISON	WB4DKY	146.265	146.865	*	A
MARIETTA	K4LCI	144.83	145.43	N	E
MARIETTA	WA4QPL	144.89	145.49	*	PE
MARIETTA	N4NFP	146.175	146.775	*	BLRPT118.8
MARIETTA	W4IUD	146.28	146.88	N	
METTER	W4TYM	147.645	147.045	N	ABE
MIDWAY	KF4UM	147.615	147.015	*	O
MILLEDGEVILLE	KF4LT	144.55	145.15	*	PT
MILLEDGEVILLE	WB4DOJ	146.10	146.70	*	A
MILLEDGEVILLE	K4FRM	147.735	147.135	*	BL
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	*	BP
NEWNAN	K4SEX	146.19	146.79	*	BP
PEMBROKE	WB4CJB	147.675	147.075	N	A
PERRY	KB4KIN	146.355	146.955	N	PL
PERRY	AC4MU	147.90	147.30	*	ABER
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	N	
PRESTON	WB4TOV	146.385	146.985	N	
QUITMAN	W4FGH	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROCHELLE	WB4OQX	146.40	147.00	*	BET100.0
ROCKY TOP MT	K5PRE	146.355	146.955	N	
ROME	WB4YSV	147.90	147.30	N	
ROME/MT. ALTO	W4VO	146.34	146.94	*	BP
ROSSVILLE	W4FGQ	144.75	145.35	*	
ROSWELL	N4CLA	147.66	147.06	N	PE
SANDERSVILLE	N4CGV	144.67	145.27	*	A
SAVANNAH	KK4TO	146.10	146.70	*	PE
SAVANNAH	W4HBB	146.28	146.88	N	AB
SAVANNAH	W4HBB	146.37	146.97	N	AB
SAVANNAH	KK4TO	147.81	147.21	*	PE
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	146.16	146.76	*	
SUMMERVILLE	KA4LVY	147.825	147.225	*	A
SWAINSBORO	K4VYX	146.19	146.79	N	O
SWEAT MT/MARIETT.	N4CLA	144.87	145.47	N	PE
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	*	
THOMSON	KC4GSS	146.235	146.835	N	A
TOCCOA	KA4DIP	147.93	147.33	*	
TWIN CITY	N4REB	147.915	147.315	N	PR
VALDOSTA	KB0Y	144.53	145.13	*	T
VALDOSTA	N4ELN	146.16	146.76	*	BRPT52.525
VALDOSTA	KB0Y	147.735	147.135	*	PT
VIDALIA	KE4ZZ	146.025	146.625	*	A
WALESKA/PNLGMT	KE4PN	144.67	145.27	N	L
WARM SPRINGS	KN4FE	146.385	146.985	N	BE
#WARNER ROBINS	WB4BDP	146.01	146.61	*	UNCOORD.
WARNER ROBINS	WA4QWI	146.25	146.85	*	P
WARNER ROBINS	WB4BDP	147.78	147.18	N	C
WATKINSVILLE	N4NFA	147.645	147.045	N	RPEL
WAYCROSS	KD4CEX	146.04	146.64	*	A
WAYNESBORO	WD4COL	144.63	145.23	N	
WRENS	KB4NA	146.175	146.775	N	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	ABLR

220 MHZ

ACWORTH	N4MTA	222.72	224.32	*	BEP
ALPHARETTA	KC4JNN	223.26	224.86	*	ABELRT100.
ATL/MARIETTA	N4NEQ	222.84	224.44	*	BLRPT118.8
ATLANTA	N4BLR	222.68	224.28	N	
ATLANTA	W4DOC	222.74	224.34	*	
ATLANTA	W4DOC	222.96	224.56	*	
ATLANTA	KK4C	223.22	224.82	N	PLR
ATLANTA-NE	KC4OVY	222.60	224.20	*	BRPT100.0
ATLANTA/BELL	W4ZTL	223.02	224.62	*	BEP
ATLANTA/MARIETTA	N4NFP	222.52	224.12	*	ABLRT118.1
AUGUSTA	AA4UA	222.60	224.20	*	AB
AUGUSTA	WB4KXO	223.34	224.94	*	P
BALDWIN	WS4F	222.50	224.10	N	
BRUNSWICK	N3GLC	222.58	224.18	N	
#CALHOUN	KQ4HT	222.86	224.46	*	UNCOORD.
CARTERSVILLE	N4GIS	223.00	224.60	*	BERP
CHEAHA MTN, AL	N6IFL	222.56	224.16	*	
CHEAHA MTN, AL	N4YGI	224.34	224.84	*	
CLAYTON	WD4MBK	223.12	224.72	N	
CLEVELAND	N4RBT	222.78	224.38	N	P
#CONYERS	WB4JEH	222.42	224.02	*	UNCOORD.
CUMMING	K4JSR	223.38	224.98	*	PL
DALLAS	N4YDX	222.58	224.18	*	BL
DALLAS	N4YEA	222.94	224.54	*	BP
DALTON	N4BZJ	222.76	224.36	*	ABT88.5
DALTON	N4BZJ	223.08	224.68	N	
DALTON	N4KVC	223.14	224.74	*	ER
ELLIJAY-BUCK MTN.	N4YYD	222.64	224.24	N	BERP
HIRAM	KC4PZD	223.10	224.70	*	B
HIRAM	N4ZJG	223.36	224.96	N	ABL
MACON	W4BKM	223.06	224.66	*	
MARIETTA	KV4L	222.66	224.26	N	BP
MARIETTA	N4MTA	222.90	224.50	*	BEP
MARIETTA	WA4QPL	223.30	224.90	*	PE
NORCROSS	KB4PRH	222.88	224.48	N	
PERRY	AC4MU	223.24	224.84	*	ABER
RINGGOLD	W4ABZ	223.04	224.64	N	P
ROCKMART	KC4KLW	223.18	224.78	*	
ROME	WB4YSV	222.82	224.42	N	
ROSSVILLE	KC4EV	223.34	224.94	N	
SASAFRAS MTN	KC4JNN	222.56	224.16	*	ABELRT100.
STONE MT	W4BOC	223.16	224.76	*	
TEMPLE	KC4NYV	222.70	224.30	N	B
THOMASVILLE	N4JBF	222.72	224.32	N	AL
VALDOSTA	KB0Y	222.86	224.46	*	PT
WALESKA/PNLGMT	N4KSM	222.92	224.52	N	A
YORKVILLE	WB4UPC	223.28	224.88	N	

440 MHZ

ALBANY	W4MM	439.25	427.25	N	V
ALBANY	W4MM	449.50	444.50	N	
ALPHARETTA	WB6RTH	447.00	442.00	*	ABEKL
ATHENS	NB4X	448.30	443.30	N	
ATLANTA	W4DOC	444.825	449.825	N	NB
ATLANTA	WA4YNZ	447.975	442.975	*	TPL
ATLANTA	KE4ZV	448.65	443.65	*	T118.8
ATLANTA	KD4LXT	448.875	443.875	*	C-BEP
ATLANTA	W4DOC	449.45	444.45	*	
ATLANTA	W4DOC	449.45	145.67	N	R
ATLANTA	WB4UWL	449.50	444.50	*	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	W4DOC	449.825	444.825	*	
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	*	PTLR
#ATLANTA/BELL	W4ZTL	434.00	421.25	*	UNCOORD.
ATLANTA/BELL	W4ZTL	449.15	444.15	*	BEP
ATLANTA/MARIETTA	N4NFP	448.80	443.80	*	BLRPT118.8
ATLANTA/MARIETTA	N4NEQ	449.05	444.05	*	BT118.8
ATLANTA/MARIETTA	N4NEQ	449.775	444.775	*	ABLRP118.8
ATLANTA/STONE MT	W4BOC	449.25	444.25	*	
ATLANTA/SWEAT MT	WA4NMF	447.725	442.725	N	T
AUGUSTA	AA4UA	449.40	444.40	*	AB
AUGUSTA	NA4I	449.95	444.95	*	
BALDWIN	WD4NHW	447.35	442.35	*	
BRNSWK/JEKYLL IS	KB4PXX	439.25	421.25	*	V

MORE GEORGIA REPEATERS

BRUNSWICK	KD4CPO	448.425	443.425	N	A
BRUNSWICK	K4TVE	449.975	444.975	N	O
CALHOUN/JASPER	KC4AQS	448.375	443.375	N	BP
CEDARTOWN	KD4EKZ	443.40	448.40	*	
CHATSWORTH	N4OGF	448.00	443.00	N	
CLARKESVILLE	K4HCA	447.425	442.425	*	B
CONYERS	WB4JEH	447.55	442.55	*	T151.4
#CONYERS	N4EMM	447.75	442.75	*	UNCOORD.
CONYERS	WB4JEH	449.55	444.55	*	T151.4
CONYERS	N4EMM	449.75	444.75	N	PL
CONYERS	KC4ELV	449.875	444.875	*	BLP
COVINGTON	KL7TF	448.75	443.75	*	B
COVINGTON	KD4QOW	449.175	444.175	*	BEP
COVINGTON	WA1KMS	449.60	444.60	*	
COVINGTON	WA4ASI	449.80	444.80	*	ALT88.5
DACULA	KK4IN	448.55	443.55	N	ALR
DALLAS	WD4LUQ	449.70	444.70	*	BRT77.0
#DALTON	N4BZJ	447.175	442.175	*	UNCOORD.
DALTON	N4BZJ	449.85	444.85	*	
DECATUR	N3APR	447.20	442.20	N	A
DECATUR	KA4UFM	448.95	443.95	*	BPT110.9
DECATUR	WB4LBM	449.20	444.20	N	
DOUGLASVILLE	N4AQG	449.575	444.575	*	B
DULUTH	N2NOG	447.30	442.30	N	BELP
DUNWOODY	W4QO	447.15	442.15	*	
DUNWOODY	W4QO	448.15	443.15	*	
EATONTON	KC4YHM	447.925	442.925	*	
ELLIJAY	W4HHH	447.70	442.70	*	C
ELLIJAY-BUCK MTN.	N4YYD	448.35	443.35	N	BEORP
GAINESVILLE	W4NSO	447.625	442.625	*	PET131.8
GRIFFIN	WB4DEB	448.90	443.90	N	PT
HAMILTON	WB4ULJ	449.40	444.40	N	BPR
HAMPTON	WB4DEB	448.125	443.125	N	
HAMPTON	N4RDM	448.40	443.40	N	PRP
HIGH HOUSE MTN	KD4APP	448.20	443.20	*	
HIGH PT/LOOKT MT	KB4VAK	448.45	443.45	N	ABRT88.5
JASPER	KB4MDE	448.425	443.425	N	
JASPER	KB4IZF	449.375	444.375	*	BPLR
JESUP	N4PJR	449.925	444.925	*	O
JONESBORO	N4QCP	448.225	443.225	N	
LAVONIA	K4NVG	447.475	442.475	*	PB
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
LAWRENCEVILLE	KC4LU	449.40	444.40	*	BT
MACON	K4VTT	447.275	442.275	*	ABELRT100.
MACON	N4IWK	447.875	442.875	*	P
MACON	W4BKM	449.10	444.10	*	C
MACON	K4VTT	449.275	444.275	N	
MARIETTA	WB4BQX	448.500	443.50	*	BEP
MARIETTA	KM4BA	448.60	443.60	N	PT
MARIETTA	KM4BA	448.70	443.70	N	
MARIETTA	KM4BA	449.325	444.325	N	PTO
MIDWAY	KF4UM	449.85	444.85	*	O
NEWNAN	N4EBZ	449.675	444.675	N	P
PERRY	AC4MU	449.95	444.95	*	
RINGGOLD	WA4LJU	448.925	443.925	N	
ROCKMART	KC4KLW	448.275	443.275	*	ABT179.9
ROCKMART	KC4KLW	448.525	443.525	*	
ROCKY FACE	AA4EO	447.175	442.175	N	
ROSSVILLE	N4PLP	447.125	442.125	N	C
SAVANNAH	WA4VHP	439.25	426.25	*	BRTV
SAVANNAH	KC4AZU	447.70	442.70	*	C
SAVANNAH	WD4AFY	449.00	444.00	N	B
SMYRNA	N4IBW	449.65	444.65	N	
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTR
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTL
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT/MARIETT.	N4CLA	449.475	444.475	N	EP
VALDOSTA	KB0Y	449.35	444.35	*	PT
VALDOSTA	N4ELN	449.70	444.70	*	T
WALESKA/PNLOG MT	WB4YSV	448.85	443.85	N	L
WALUSKA/PINE LOG	WB4YSV	443.85	448.85	N	NB
WARM SPRINGS	N4UER	447.40	442.40	N	BE
WATKINSVILLE	N4NFA	449.725	444.725	N	RPEL

SERA REPEATER SYMBOLS

*	Full Member Supporter
D	Delinquent Membership
N	Non-Member SERA
A	Autopatch (Open)
B	Emergency Power
C	Under Construction
E	Emergency Autopatch
K	Packet Operation
L	Linked Repeater
M	T-MARC Terr. Repeater
NB	Not on SERA Freq. Plan
O	Off the Air Temporarily
P	Private Autopatch
PR	Proposed Coordination
R	Remote Base System
T	Tone Accessed
V	Television (SSTV/ATV)
Y	RTTY Operation

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but it does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with ``K". For tone-accessed repeaters, the codes column contains the tone or access code only for those repeaters which the owner or trustee has given us written permission to publish.

Entries with "#" in front of the city indicate repeaters added to this index that have not been coordinated through the local SERA state coordinator. Work with your coordinator to get this indicator removed.

920 MHZ

DALTON	N4BZJ	907.10	919.10	*	

1270 MHZ

ATLANTA NORTH	W4DOC	271.40	291.40	*	
ATLANTA/BELL	KB4KIN	272.00	292.00	*	

BEACONS

ATL/MARIETTA	N4NEQ	427.25	BEACON	N	VR

KENTUCKY REPEATERS

6 METERS

#ASHLAND	WA4IBB	52.01	53.01	N	UNCOORD.
GUTHRIE	KA4ZKL	52.23	53.23	N	C
HIGHLAND HEIGHTS	AD4CC	52.33	53.33	N	AB
LOUISVILLE	WB4LBR	53.025	52.025	N	NB
STANTON	WD4KNE	52.81	53.81	N	P

2 METERS

ALLEN	K4ICN	147.90	147.30	*	AL
ASHLAND	KD4SN	146.34	146.94	*	P
ASHLAND	KA4DII	147.84	147.24	N	P
ASHLAND	WA8KWH	147.93	147.33	N	A
BARDSTOWN	WB4GGH	144.87	145.47	*	
BAXTER	WM4H	147.78	147.18	N	A
BENTON	WG4U	147.72	147.12	N	
BEREA	KI4B	146.115	146.715	N	
BOWLING GREEN	WD4MNI	146.055	146.655	*	R
BOWLING GREEN	KA4CLL	146.25	146.85	N	
CALVERT CITY	KA4KFD	147.705	147.105	N	AB
CAMPBELLSVILLE	WA4UXJ	146.04	146.64	N	
CORBIN	WD4KWV	146.01	146.61	*	P
COVINGTON	WB8NON	144.81	145.41	*	O
COVINGTON	WB8NON	147.99	147.39	*	A
DANVILLE	WD4DZC	146.055	146.655	N	A
#DAWSON SPRINGS	N4STY	146.13	146.73	N	UNCOORD.
DEANE	AK4U	144.61	145.21	N	L
DIXON	N4IOX	147.855	147.255	*	P
DORTON	WA4SWF	146.13	146.73	N	BR-O
DORTON	KC4KZT	147.495	146.895	N	
DRAKESBORO	WF4N	146.22	146.82	N	C
ELIZABETHTOWN	KD4GLI	144.75	145.35		A
ELIZABETHTOWN	W4BEJ	146.38	146.98	N	ABL
FAIR DEALING	N4AVE	147.84	147.24	N	
#FERN CREEK	WB4NSY	146.16	146.76	N	UNCOORD.
FLORENCE	K4JBV	146.295	146.895	*	A
FRANKFORT	KC4KDZ	144.79	145.39	*	BEP
FRANKFORT	K4NGQ	147.075	147.675	N	
FRANKFORT	KC4AI	147.84	147.24	N	
GLASGOW	KF4DC	144.81	145.41	N	
GLASGOW	W4WZH	146.34	146.94	*	AB
GRAYSON	KF4JO	146.10	146.70	N	
GREENVILLE	WA4TTC	146.145	146.745	N	P
GRETHEL	KJ4VF	147.645	147.045	*	C
GUTHRIE	KA4NNE	146.205	146.805	N	L
HALLS GAP	WD8PRH	144.57	145.17	*	AL
HARLAN	WA4ZAC	147.705	147.105	*	
HAZARD	K4VHF	146.07	146.67	*	B
HENDERSON	W4KVK	144.89	145.49	N	
HENDERSON	K4DPP	146.37	146.97	N	
HIGHLAND HEIGHTS	W4YWH	146.19	146.79	*	
HIGHLAND HEIGHTS	K4CO	147.855	147.255	*	PT123.0
HOPKINSVILLE	WA4ZVL	147.63	147.03	N	A
IRVINGTON	WB4WVH	146.30	146.90	N	AE
LA GRANGE	N4RBL	144.53	145.13	*	BT151.4
LA GRANGE	N4RBL	147.99	147.39	*	T151.4
LANCASTER	AC4AO	146.13	146.73	*	C
LAWRENCEBURG	KK4PL	144.69	145.29	N	A
LEXINGTON	N4YUU	144.73	145.33	N	P
LEXINGTON	KC4TX	144.85	145.45	N	P
LEXINGTON	K4KJQ	146.16	146.76	N	PE
#LEXINGTON	W4AUZ	146.34	146.94	N	UNCOORD.
LEXINGTON	WB4FDK	147.615	147.015	N	
LEXINGTON	WA4HBM	147.765	147.165	N	
LEXINGTON	KJ4VF	147.795	147.195		LR
LEXINGTON/GRGTWN	WD8PRH	144.61	145.21	*	L
LITCHFIELD	KB4NFK	147.825	147.225	*	
LONDON	KC4ZFH	147.885	147.285	N	CT
LOUISVILLE	WD8PRH	144.63	145.23	*	L
LOUISVILLE	W4BDC	146.10	146.70	*	BEP
LOUISVILLE	W4OAU	146.28	146.88	*	P
LOUISVILLE	W4PJZ	147.63	147.03	*	BERPT151.4
LOUISVILLE	N4NMC	147.67	147.07	*	BEP
LOUISVILLE	W4CN	147.78	147.18	*	PE
LOUISVILLE	N4KWT	147.87	147.27	N	
LOUISVILLE	KQ9Z	147.96	147.36	*	A
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MARION	KA4FGA	147.705	147.105	N	
MARION	KA4FGA	147.885	147.285	N	
MAYFIELD	WA4NAR	147.84	147.24	N	
MAYSVILLE	WA4WMM	144.87	145.47	*	BEP
MIDDLESBORO	W4PPM	146.175	146.775	N	
MONTICELLO	N4TLK	144.55	145.15	*	
MOREHEAD	KJ4VF	144.53	145.13	*	R
MOREHEAD	K4GFY	146.31	146.91	N	
MOUNTAIN ASH	KD4DAX	144.75	145.35		AC
MT. STERLING	WD4KNE	147.93	147.33	N	P
MURRAY	WB4NTB	146.34	146.94	*	A
NICHOLASVILLE	WB4CWF	144.89	145.49	N	PE
OWENSBORO	KN4KQ	146.085	146.685	*	ALR
OWENSBORO	K4HY	147.81	147.21	N	AL
OWINGSVILLE	N4TLP	147.675	147.075	*	A
PADUCAH	K4CUW	146.16	146.76	N	
PADUCAH	W4WQ	147.66	147.06	N	
PAINTSVILLE	AK4U	146.19	146.79	N	PL
PHELPS	KJ4YK	147.69	147.09	*	R
PIKEVILLE	N4IWZ	144.55	145.15	*	RPE
PIKEVILLE	KM4IV	146.25	146.85	N	ELR
PRESTONSBURG	WB4UBY	147.765	147.165	N	
PRINCETON	W4KBL	146.07	146.67	N	
PROVIDENCE	N4IUI	147.93	147.33	N	
RABBIT HASH	WA4OCP	146.355	146.955	N	
RADCLIFF	W4BEJ	146.325	146.925	N	ABL41
RICHMOND	AC4UW	146.265	146.865	*	AB
SALEM	N4IL	147.915	147.315	*	P
SALVISA	KC4ZOX	146.235	146.835	*	C
SCOTTSVILLE	KJ4GL	144.65	145.25	N	ACT100.0
SHELBYVILLE	KE4LR	147.60	147.00	*	BEP
SOMERSET	N4AI	146.28	146.88	*	BL
SPRINGFIELD	WA4SJH	147.90	147.30	N	A
STANTON	WD8PRH	144.69	145.29	N	CL
STANTON	KC4TUK	146.37	146.97	*	ARC
UNION CITY (TN)	WA4YGM	146.10	146.70	*	
VANCEBURG	KC4TKI	146.175	146.775	*	P
#VIRGIE	K4NRR	147.60	147.00	N	UNCOORD.
WALTON	K4CO	147.975	147.375	*	
#WHTSBRG/PINE MT	WD4PDJ	147.99	147.39	N	UNCOORD.
WILLIAMSBURG	KG4M	147.60	147.00	N	
WINCHESTER	WB4ASZ	147.72	147.12	*	EP

220 MHZ

ASHLAND	KC4QK	222.34	223.94	N	
AUGUSTA	KC4UXD	222.32	223.92	N	PC
JARVIS	KB4PNG	223.38	224.98	*	ABELR
LANCASTER	KD4RXF	222.96	224.56		P
LEXINGTON	WB8VMI	222.14	223.74	*	
LEXINGTON	AC4AO	222.82	224.42	*	ABEL
LEXINGTON	N4YUU	223.34	224.94	N	
LOUISVILLE	KA4MKT	222.70	224.30	N	
#LOUISVILLE	KB4VEZ	222.82	224.42	N	UNCOORD.
LOUISVILLE	W4MOP	223.22	224.82	N	P
PIKEVILLE	WB4F	222.98	224.58	N	
PIKEVILLE	KD4DAR	223.02	224.62	*	R
SOMERSET	N4AI	222.70	224.30	*	BER
SOMERSET	N4AI	223.28	224.88	*	BL
VERSAILLES	KN4QP	222.62	224.22	*	BERP

440 MHZ

ASHLAND	KA4MKG	449.925	444.925	N	C
ASHLAND	WB4TAT	449.975	444.975	*	
BOWLING GREEN	W4HTB	439.25	280.00	*	V
BOWLING GREEN	W4HTB	439.25	922.25	*	V
BOWLING GREEN	W4HTB	439.25	426.25	*	V
BOWLING GREEN	WD4MNI	449.10	444.10	*	AL
BOWLING GREEN	N5KOL	449.65	444.65	*	P
CORBIN	WB4IVB	449.90	444.90	*	R
DORTON	KJ4VF	448.25	443.25	*	CR
ELIZABETHTOWN	KE4NS	439.250	421.250	N	V
ELIZABETHTOWN	W4BEJ	449.80	444.80	N	ABL
GLASGOW	W4WZH	449.925	444.925	N	
GLASGOW/CVCTY.	KF4DC	449.25	444.25	N	
GRAEFENBURG	N4HZX	448.55	443.55	N	
GRETHEL	KJ4VF	449.525	444.525	*	
HAWESVILLE	KB4QFL	449.625	444.625		P
HENDERSON	N9APA	449.50	444.50	N	
HIGHLAND HEIGHTS	K4CO	449.35	444.35	*	PT123.0
HIGHLAND HEIGHTS	W4YWH	449.90	444.90	*	
JENKINS	KK4WH	449.30	444.30	N	PLRC
LATONIA	AA4XV	447.40	442.40	N	PT
LEWISPORT	KN4KQ	449.55	444.55	*	ALR
LEXINGTON	KC4ZY	449.725	444.725	N	A
LEXINGTON	N4YUU	449.85	444.85	N	
LEXINGTON	WD4EJA	449.95	444.95	N	

MORE KENTUCKY REPEATERS

OUISVILLE	N4ORL	447.00	442.00	N	RP
OUISVILLE	KD4DYH	447.225	442.225	N	
OUISVILLE	KB4RYM	447.50	442.50	N	C
OUISVILLE	KB4YJ	447.725	442.725	N	BET
OUISVILLE	WD9EQC	448.50	443.50	N	
OUISVILLE	N4UL	449.10	444.10	*	BELRPT
OUISVILLE	WB4ZZD	449.30	444.30	*	O
OUISVILLE	W4MOP	449.50	444.50	N	P
OUISVILLE	N4NMC	449.60	444.60	*	BEP
OUISVILLE	WA4AUN	449.70	444.70	N	
OUISVILLE AREA	N4RBL	447.45	442.45	*	BEPT151.4
YNCH/BLACK MT	N4IZD	448.10	443.10	N	
MADISONVILLE	KC4FIE	447.425	442.425		C
MADISONVILLE	WD4EBZ	447.775	442.775		BC
META	WB4UBY	448.50	443.50	N	R
NEBO	AA4NI	449.85	444.85	N	C
NICHOLASVILLE	WB4CWF	449.975	444.975	N	CR
OAK LEVEL	NN2E	449.20	444.20	N	T173.8
OWENSBORO	WB4AOH	439.25	427.25	N	V
PHELPS	N4MVY	449.575	444.575	N	
PIKEVILLE	KC4VYX	449.675	444.675	N	
PRESTONSBURG	WB4TRS	449.20	444.20	N	BR
SALEM	KC4VXR	449.825	444.825	*	
SALVISA	KC4UPE	449.875	444.875		BCPT167.9
SPRINGFIELD	WA4SJH	444.60	449.60	N	
STANTON	N4VOS	447.075	442.075	N	CRP
UNION	KC4COV	449.175	444.175	*	AR
VERSAILLES	KN4QP	448.775	443.775		P

MISSISSIPPI REPEATERS

10 METERS

POPLARVILLE	WA5WRE	29.52	29.62	*	O

6 METERS

ELLISVILLE	N5DWU	52.01	53.01	*	

2 METERS

ABERDEEN	WB5USN	147.87	147.27	N	A
ACKERMAN	NO5N	147.72	147.12	N	
AMORY	KB5DWX	146.34	146.94	N	A
AMORY	KB5DSN	147.69	147.09	N	
BAY ST. LOUIS	K5GY	146.10	146.70	N	
BAY ST. LOUIS	K0VNO	146.25	146.85	N	
BILOXI	KC5IF	146.13	146.73	*	APER
BILOXI	K5TYP	146.19	146.79	N	AB
BOONEVILLE	WB5UVT	144.59	145.19	*	AB
BUDE	K5JMD	146.25	146.85	N	
CHATAWA	WB5GOJ	144.71	145.31	N	PR
CLEVELAND	K5BWW	146.25	146.85	N	
CLINTON	AA5JC	147.945	147.345	N	PR
COLLINS	N5LRQ	146.385	146.985	*	
COLUMBIA	KB5EZN	147.885	147.285	N	P
COLUMBUS	KA5LVU	144.83	145.43	N	A
COLUMBUS	N5NKZ	147.60	147.00	N	A
CORINTH	KA5RPB	144.29	145.39	N	A
CORINTH	WB5VOJ	146.325	146.925	N	
CORINTH	K5UFH	146.40	147.00	N	
CORINTH	KB4CTS	147.885	147.285	N	
D'IBERVILLE	KC5IF	144.81	145.41	*	APER
ELLISVILLE	N5DWU	147.465	146.865	*	PLT
ESCATAWPA	W5OXA	147.825	147.225	N	L
FULTON	N5VGK	144.89	145.49	N	A
GREENVILLE	WA5MBA	146.22	146.82	N	A
GREENWOOD	KA5TQY	146.115	146.715	N	
GRENADA	WB5LVA	146.10	146.70	N	
GULFPORT	KA5CYR	144.73	145.33	*	ABE
GULFPORT	KA5VFU	147.975	147.375	*	L
HATTIESBURG	W5CJR	144.59	145.19	N	
HATTIESBURG	KA5NNX	144.77	145.37	N	
HATTIESBURG	N5LRQ	146.07	146.67	*	L
HATTIESBURG	W5CJR	147.96	147.36	*	
HERNANDO	K5VV	146.31	146.91	N	A
HORN LAKE	KA0BRN	144.57	145.17	N	EPT
INVERNESS	WA5UDQ	147.78	147.18	N	
ISOLA	KC5OB	146.355	146.955	*	
IUKA	WB5MFK	146.25	146.85	N	A
JACKSON	N5NIL	146.04	146.64	*	
JACKSON	W5AXQ	146.16	146.76	*	
JACKSON	K5QNE	146.28	146.88	*	ABE
JACKSON	KA5SBK	146.34	146.94	N	BET100.0
JACKSON	NC5Y	147.675	147.075	N	AT
JACNITO	WB5HKK	147.75	147.15	N	A
KOSCIUSKO	W5LWC	146.25	146.85	N	
LAUREL	KB5IXI	146.01	146.61	*	P
LAUREL	WV5D	146.43	147.03	N	
LAUREL	KC5RC	147.855	147.255	N	
LOUISVILLE	KB5PKU	147.96	147.36	*	A
MAGEE	KA5LNY	147.90	147.30	*	
MCCOMB	K5JMD	146.34	146.94	N	A
MCHENRY	KA5CYR	147.93	147.33	*	B
MENDENHALL	K5HYE	144.51	145.11	*	B
MERIDIAN	W5DEJ	146.10	146.70	*	A
MONTICELLO	N5JHK	147.615	147.015	N	PR
MOOREVILLE	WB5NAY	146.04	146.64	N	A
NATCHEZ	W5KHB	146.085	146.685	N	
NATCHEZ	K5OCM	146.31	146.91	N	A
NATCHEZ	K5SVC	147.96	147.36	N	
NEW ALBANY	N5CAX	146.07	146.67	N	AB
NEW HEBRON	N5MRS	147.69	147.09	N	AEATLRB
OCEAN SPRINGS	W5LDD	147.63	147.03	*	AB
OLIVE BRANCH	KA5WMH	144.75	145.35	N	C
PASCAGOULA	W5WA	144.51	145.11	*	
PASCAGOULA	N5AAY	146.28	146.88	N	A
PASCAGOULA	KI5ZH	146.37	146.97	*	
PEARL/RANKIN CO.	KF5IZ	147.75	147.15	N	ABET88.5
PETAL	N5LRQ	147.735	147.135	*	O
PHILADELPHIA	N5EPP	147.93	147.33	N	
PICAYUNE	K5LFP	144.55	145.15	N	A
PONTOTOC	WB5NAY	147.98	147.38	N	
POPLARVILLE	WA5WRE	144.61	145.21	*	A
PORT GIBSON	KE5WO	146.025	146.625	N	
PRENTISS	WB5UNA	147.99	147.39	N	
RICHTON	N5OCF	147.66	147.06	*	
SENATOBIA	KB5DMT	146.385	146.985	N	
SHARON	N5RMZ	144.85	145.45	N	B
SOUTHAVEN	N5PYQ	144.77	145.37	N	O
STARKVILLE	W5VZF	146.13	146.73	*	
STARKVILLE	KF5C	146.205	146.805	N	P
SUMRALL	KA5FYW	147.795	147.195	N	
TUPELO	AI5R	147.84	147.24	N	A
UNION	N5SPJ	147.81	147.21	N	ABRT
VICKSBURG	WJ5L	144.69	145.29	N	
VICKSBURG	WB5SXK	147.87	147.27	N	
WALLS	N5NBG	144.67	145.27	*	PT162.2
WARSAW	N4DRL	147.825	147.225	N	
WATER VALLEY	WB5QFX	146.40	147.00	N	
WAYNESBORO	KI5WK	147.705	147.105	N	PR
WEST POINT	KO5S	146.19	146.79	N	A
WIGGINS	KB5DZJ	144.67	145.27	*	ABL
WINFIELD (AL)	KC4RNF	147.64	147.04	*	NB
WINONA	N5DHS	146.37	146.97	N	A

220 MHZ

ACKERMAN	NM5D	223.18	224.78	N	
ACKERMAN	NM5D	223.22	224.82	N	
BAY ST. LOUIS	K0VNO	223.28	224.88	N	
BILOXI	K5TYP	222.90	224.50	N	
GLEN	KA5RPB	222.92	224.52	N	
HATTIESBURG	W5CJR	223.14	224.74	N	
PASCAGOULA	W5WA	222.72	224.32	*	
PONTOTOC	KE5ST	223.30	224.90	N	

440 MHZ

ACKERMAN	NM5D	448.65	443.65	N	
ACKERMAN	NM5D	449.90	444.90	N	
AMORY	KB5DSN	449.825	444.825	N	
CLERMONT HARBOR	WD5BJT	449.15	444.15	N	AL
CLINTON	KB5CO	449.60	444.60	*	
ELLISVILLE	N5DWU	447.20	442.20	*	BERPT167.9
ELLISVILLE	N5DWU	447.25	442.25	*	BLT167.9
ELLISVILLE	N5DWU	448.90	443.90	*	AE
GAUTIER	KA5NOJ	439.25	426.25	*	V
GULFPORT	KA5CYR	449.25	444.25	*	ABE
HATTIESBURG	N5LRQ	448.55	443.55	*	
HICKORY FLAT	W4ZCD	449.625	444.625	N	
HORN LAKE	KE5ST	449.65	444.65	N	
INDIANOLA	AB5DU	449.85	444.85	N	
JACKSON	KB5II	449.00	444.00	*	
JACKSON	KB5LCL	449.45	444.45	N	T141.3
JACKSON	NC5Y	449.70	444.70	N	
JACKSON	KA5AGD	449.975	444.975	N	
LAUREL	AJ0X	448.50	443.50	*	ABER
MENDENHALL	K5HYE	448.60	443.60	*	B
MERIDIAN	WA5WUX	449.10	444.10	N	PEL
MERIDIAN	KB5LTW	449.40	444.40	N	BER
NATCHEZ	N5IAT	448.80	443.80	N	A
NEW ALBANY	WB5YCR	449.15	444.15	N	O
NEW HEBRON	N5MRS	449.525	444.525	N	A
PEARL	KB5HAV	449.375	444.375	N	ABT
PETAL	N5VEI	448.35	443.35	N	BRP
POPLARVILLE	WA5WRE	449.85	444.85	*	
RICHTON	N5OCF	449.625	444.625	*	RP
SOUTHAVEN	N5PYQ	449.925	444.925	N	
STARKVILLE	W5VZF	449.75	444.75	*	PR
VICKSBURG	WB5TTE	449.925	444.925	N	PR
WAYNESBORO	KI5WK	449.50	444.50	N	
WIGGINS	KB5DZJ	448.30	443.30	*	B
WINONA	N5EYM	449.95	444.95	N	

NORTH CAROLINA REPEATERS

10 METERS

BALD CREEK	N1BEC	29.56	29.66	N	
NEWPORT	K4GRW	29.56	29.66	N	PR
THOMASVILLE	KK4VO	29.58	29.68	*	PR
WILKESBORO	KC4XE	29.52	29.62	*	L
WILSON	WD4IDA	29.54	29.64	*	C
WILSON	WB4IUY	29.58	29.68	*	

6 METERS

BALD CREEK	N1BEC	52.03	53.03	N	
BOONE/RICH MTN.	WA4PXV	52.05	53.05	*	BLR
GASTONIA	N4XTF	52.11	53.11	*	ABELR
HAW RIVER	KD4JFN	52.23	53.23	N	
MARS HILL	WB4PLA	52.09	53.09	*	C
NEWPORT	K4GRW	52.01	53.01	N	PR
RALEIGH	WA4PEN	52.03	53.03	*	O
RALEIGH	W1IFL	52.19	53.19	N	
RALEIGH	WA4PEN	52.25	53.25	*	C B
ROCKY MOUNT	N4YTU	52.59	53.59	N	
SAURATOWN MT	N4QLX	52.21	53.21	N	
STATESVILLE	WA4WRS	52.67	53.67	N	C
THOMASVILLE	K4AZA	52.17	53.17	*	
THOMASVILLE	K4AZA	52.525	52.525	N	RB
WILSON	WB4IUY	52.07	53.07	*	

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	N	A
AHOSKIE	WA4ZGQ	146.31	146.91	*	P
ALBEMARLE	K4OGB	146.385	146.985	*	A
ANDREWS/ROBBINSV	K4AIH	146.445	147.045	*	BELP
AQUADALE	WA4CHZ	147.99	147.39	*	A
ASHEBORO	KJ4AV	147.855	147.255	*	PL
#ASHEVILLE	WA4QCO	146.235	146.835	N	UNCOORD.
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	*	T151.4
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	*	A
BAKERSVILLE	KC4WPM	144.71	145.31	*	ABE
BALD CREEK	N1BEC	147.645	147.045	N	
BEULAVILLE	N4VBH	144.63	145.23	*	A
BOONE/RICH MTN.	WA4KDB	147.96	147.36	*	A
BREVARD	K4GBH	147.735	147.135	N	P
BROADWAY	KM4OX	147.705	147.105	N	
BURGAW	W4DLH	146.34	146.94	*	
BURLINGTON	K4FHB	146.07	146.67	*	AB
BURLINGTON	KD4JFN	147.675	147.075	*	ABERT107.2
BURNSVILLE	N4YN	147.975	147.375	N	A
BUXTON	N4AAY	144.55	145.15	N	
CARTHAGE	W4NIW	147.84	147.24	*	AEKP
CHARLOTTE	W4BFB	144.63	145.23	*	
CHARLOTTE	W4BFB	144.69	145.29	*	A
CHARLOTTE	WA4AOS	144.75	145.35	N	L
CHARLOTTE	W4BFB	146.34	146.94	*	A
CHARLOTTE	W4CQ	146.46	147.06	*	BE
CHARLOTTE	WD4PLY	147.99	147.39	N	P
CHERRY MT	WA4BKU	146.07	146.67	*	O
CHERRYVILLE	K4JTX	144.51	145.11	*	
CLAYTON	WB4IUY	147.99	147.39	*	ABE
CLINTON	WA4LZD	146.19	146.79	N	
COLUMBIA	KB4TOH	144.51	145.11	N	ABEL
CONCORD/KANNAP.	K4CEB	146.055	146.655	*	PB
CROWDERS MT/GAST	WD4PLY	144.85	145.45	N	
DUNN	N4CID	146.10	146.70	*	P
DURHAM	WA4WTX	144.85	145.45	*	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	*	ABE
EDEN/STONEVILLE	WA4QBG	147.99	147.39	*	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
FAYETTEVILLE	N4EWG	146.205	146.805	*	
FAYETTEVILLE	WA4FLR	146.445	147.045	N	Y
FAYVLLE/CFARS	WB4YZF	146.31	146.91	*	P
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	*	
FOREST CITY	K4PBG	147.84	147.24	*	AT123.0
FRANKLIN	W4ZCZ	144.89	145.49	N	
FRANKLIN	W4GHZ	147.84	147.24	*	T151.4
GAST/SPCR MT	W4REW	147.72	147.12	*	A
GASTONIA	N0IZF	146.205	146.805	*	ABELR
GIBSONVILLE	AC4DZ	144.89	145.49	*	ART103.5
GOLDSBORO	K4CYP	146.25	146.85	*	PT
GREENSBORO	KC4SJE	144.65	145.25	*	BEP
GREENSBORO	N4GGD	144.69	145.29	*	RP
GREENSBORO	N4QAA	144.71	145.31	N	AER
GREENSBORO	K4SNI	146.01	146.61	*	A
GREENSBORO	N4GGD	146.16	146.76	*	BEPR
GREENSBORO	W4GG	147.63	147.03	*	PL
GREENSBORO	W4BUZ	147.81	147.21	N	B
GREENVILLE	WD4JPQ	144.75	145.35	*	ABEL
GREENVILLE	K4ROK	147.975	147.375	*	A
GREENVL/ESTN NC	W4GDF	147.69	147.09	*	
GRIFTON	W4NBR	146.085	146.685	*	
HENDERSONVILLE	WB4YAO	146.04	146.64	*	BLP

MORE NORTH CAROLINA REPEATERS

HENDSVL/BERWLW M	WA4KNI	144.67	145.27	*	A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	*	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	N	
HIGH PEAK MTN	K4OLC	144.61	145.215	N	NB
HIGH POINT	N4XO	144.81	145.41	N	A
HIGH POINT	N4NNR	147.435	146.835	*	PL
HIGH POINT	WA4RIS	147.765	147.165	*	BP
HILLSBOROUGH	WA4WTX	147.825	147.225	*	AL
JACKSONVILLE	KA4SQN	144.59	145.19	*	B
JACKSONVILLE	WD4FVO	146.40	147.00	N	AE
JEFFERSON	W4YJG	147.90	147.30	*	A
KELLERSVILLE	N4WET	147.705	147.105	N	
KINSTON	W4OIX	144.87	145.47	*	A
LAURINBURG	KI4RR	146.025	146.625	*	BEP
LENOIR	N4NIN	147.795	147.195	*	
LENOIR/HIBRITN	KN4K	147.93	147.33	*	
LEXINGTON	K4IZM	146.31	146.91	*	EP
LK NORMN/CLT	WB4KPF	147.615	147.015	N	P
LUMBERTON	KS4S	147.96	147.36	*	P
MACO	WA4LED	147.66	147.06	*	P
MADISON	KA4YFF	146.295	146.895	*	
MANTEO/WANCHESE	KC4VM	146.34	146.94	*	ALE
MARION	WD4PVE	146.385	146.985	N	A
MIDWAY	KM4AR	144.67	145.27	*	
MILLERS CREEK	N4GGN	146.115	146.715	*	A
MONROE	K4JCK	147.705	147.105	N	O
MONROE/UCARS	AB4DG	144.79	145.39	*	P
MORG WALKER TOP	N4OOC	147.825	147.225	*	ABL
MORGANTON	K4VLY	147.75	147.15	*	
MOUNTAIN HOME	K4GHH	147.705	147.105	*	
MT AIRY	AC4NZ	146.34	146.94	*	T186.2
MT AIRY	N4XRY	146.37	146.97	*	EP
MT MITCHELL	WA4BVW	144.59	145.19	*	
MT. AIRY	KD4J	144.73	145.33	*	A
MURPHY	KC4WB	147.795	147.195	N	O
MURPHY/STALCUP	K4FOY	147.465	146.865	*	BT151.4
N. WILKESBORO	N4AGN	144.77	145.37	*	P
NAGS HEAD/BODIE	K4UOR	146.235	146.835	*	AE
NEW BERN	WD4JMS	146.01	146.61	*	AL
NEWPORT	K4GRW	144.85	145.45	N	A
NEWTON	AG4L	147.675	147.075	*	ABER
NEWTON/ANDSN MT	W4ZQB	144.57	145.17	*	
OXFORD	AC4UO	144.57	145.17	N	P
OXFORD	WA4MII	144.77	145.37	*	
PIKEVILLE	KK4YP	144.73	145.33	*	C
RALEIGH	N4BQF	144.67	145.27	N	PL
RALEIGH	K4BWC	144.89	145.49	*	BY
RALEIGH	W4DW	146.04	146.64	*	ABE
RALEIGH	K4BWC	146.13	146.73	*	PB
RALEIGH	WB4TQD	146.28	146.88	*	L
RALEIGH	WB4TQD	147.75	147.15	*	P
RALEIGH BENSON	AK4H	147.87	147.27	N	BEP
RANDLEMAN/GBO	WD4CVM	144.55	145.15	*	L
RED SPRINGS	W4MZP	147.90	147.30	*	P
REIDSVILLE	K4YEC	146.25	146.85	*	L
ROANOKE RAPIDS	93	147.63	147.03	*	BP
ROARING GAP	WB4PZA	146.22	146.82	*	
ROCKINGHAM	WD4AVP	146.355	146.955	*	ABE
ROCKY MOUNT	WN4Z	147.72	147.12	N	PE
SALISBURY	W4EXU	146.13	146.73	*	ELR
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	W4RXG	144.51	145.11	*	Y
SAURATOWN MT	W4NC	144.87	145.47	*	B
SAURATOWN MT	KK4AT	146.19	146.79	N	EPT107.2
SAURATOWN MT	K4JYH	147.915	147.315	*	BP
SELMA	KK4YP	147.615	147.015	*	C ABE
SHALLOTTE	K4PPD	144.77	145.37	*	PE
SHALLOTTE	K4PPD	147.915	147.315	*	BEP
SHALLOTTE	N4FAU	147.99	147.39	*	BEP
SHELBY	W4NYR	146.28	146.88	*	
SHELBY	W4NYR	147.945	147.345	*	P
SMITHFIELD	KD4JQ	146.37	146.97	*	A
SOUTHPORT	K4JYH	146.175	146.775	*	
SPARTA/GREEN MT	K4ITL	144.83	145.43	N	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	WA1EHL	146.085	146.685	*	PE
STATSVL/ASBRY MT	WA1EHL	147.645	147.045	*	Y
SWANSBORO	KO4S	146.16	146.76	*	A
TABOR CITY	W4DCD	147.975	147.375	N	ALR
THOMASVILLE	K4AZA	146.40	147.00	*	LA
TRENTON	WB4TQD	144.61	145.21	*	L
TRYON/MELROSE MT	WB4SFK	147.78	147.18	N	C
TUCKASEGEE	W8OMV	147.90	147.30	N	
WADESBORO	W4USH	146.235	146.835	*	A
WASHINGTON	WA4TEP	147.945	147.345	*	A
WAXHAW	WA4ZRS	147.465	146.865	N	P
WAYNESVILLE	N4SM	147.87	147.27	*	A
WHITEVILLE	K4MSD	147.81	147.21	*	AL
WILLIAMSTON	KA4KNU	144.81	145.41	*	ABL
WILMINGTON	W4VNK	146.13	146.73	*	AB
WILMINGTON	K4GMP	146.22	146.82	*	BL
WILMINGTON	KM4GN	147.735	147.135	N	
WILMINGTON	N4CTJ	147.78	147.18	N	AL
WILSON	WB4THL	146.16	146.76	*	A
WINSTON-SALEM	W4NC	146.04	146.64	*	ABL
YADKINVILLE	N4XRY	146.415	147.015	*	
YAUPON BEACH	W4RPC	146.07	146.67	*	

220 MHZ

ANDREWS/ROBBINSV	K4AIH	223.28	224.88	*	TL
ARCHDALE	KC4HTS	223.22	224.82	*	R
ASHEVILLE	NC4N	223.00	224.60	*	
ASHEVILLE	N4TFU	223.14	224.74	N	BL
ASHVL/MT PISGAH	WA4BVW	222.66	224.26	*	
BALD CREEK	N1BEC	222.52	224.12	N	
CANTON	N4DWU	223.22	224.82	*	P
CHARLOTTE	W4BFB	222.80	224.40	*	A
CHERRYVILLE	K4JTX	223.36	224.96	*	
EDEN	WA4WGY	223.18	224.78	*	ABER
FAYETTEVILLE	W4EHF	222.42	224.02	*	L
FAYETTEVILLE	W4EHF	222.96	224.56	N	
GOLDSBORO	AA3CH	223.36	224.96	*	ELPT156.7
GREENSBORO	WB4WOR	222.54	224.14	*	K
GRIFTON	WA4DAN	223.24	224.84	*	L
GRIMESLAND	WB4PAC	222.76	224.36	N	
HENDERSONVILLE	N4UQS	223.36	224.96	*	
HENDSVL/BERWLW M	WA4KNI	222.64	224.24	*	
HIGH POINT	N4NNR	223.00	224.60	*	AL
HILLSBOROUGH	WA4WTX	222.66	224.26	*	L
JACKSONVILLE	WA4WGA	222.72	224.32	*	C
LENOIR/HIBRITN	KN4K	222.56	224.16	*	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	N	
LOCUST	WA4ZIA	222.88	224.48	*	PL
MARS HILL	WB4PLA	223.06	224.66	*	L
MARSHALL	KA4TYO	222.76	224.36	N	
MORGANTON	WB4PML	223.20	224.80	N	
MT MITCHELL	WA4BVW	222.94	224.54	*	
OXFORD	AC4UO	223.14	224.74	N	
RALEIGH	WA4PEN	223.04	224.64	*	LP
RALEIGH	W1IFL	223.32	224.92	N	
ROCKY MOUNT	NF4C	222.62	224.22	*	AR
ROCKY MOUNT	KC4FKC	222.98	224.58	*	AB
SALISBURY	W4EXU	223.16	224.76	*	L
SAURATOWN MT	WA4YHH	222.98	224.58	*	
SAURATOWN MT	W4RXG	223.10	224.70	*	OY
SAURATOWN MT	W4RXG	223.28	224.88	*	O
SAURATOWN MT	WA4WTB	223.36	224.96	*	
SHELBY	W4NYR	222.46	224.06	*	
SHELBY	KC4ZTJ	222.86	224.46	*	
SPINDALE	KC4IEV	222.84	224.44	*	CT146.3
STATESVILLE	WA4PVI	222.70	224.30	N	
SUNSET BEACH	AC4AM	223.06	224.66	*	A
THOMASVILLE	K4AZA	222.74	224.34	N	LA
TRENTON	WA4DAN	223.12	224.72	*	
WILMINGTON	KM4GN	222.60	224.20	N	
WILMINGTON	K4YNY	222.90	224.50	N	LR
WINSTON-SALEM	WA4YHH	223.04	224.64	*	RP

440 MHZ

AHOSKIE	WB4YNF	449.20	444.20	N	T
ANDREWS/ROBBINSV	K4AIH	448.65	443.65	*	BLT
ARCHDALE	KC4SVQ	448.30	443.30	N	AR
ASHEBORO	KQ4ML	449.975	444.975	*	
ASHEVILLE	N4DWT	449.90	444.90	*	
AUBURN	N4ZCM	447.275	442.275	*	
BAKERSVILLE	KM4GR	447.75	442.75	*	C
BALD CREEK	N1BEC	449.875	444.875	N	
BOONE/RICH MTN	WA4PXV	448.575	443.575	*	BLR
BOSTIC	KC4YOQ	449.125	444.125	*	
BURLINGTON	AC4DZ	448.025	443.025	*	AT107.2
CHAPEL HILL	KZ1X	448.475	443.475	*	BCLT
CHARLOTTE	W4PPN	439.25	421.25	*	V
CHARLOTTE	KD4OWV	448.95	443.95	N	
CHARLOTTE	W4CQ	449.45	444.45	*	A
CHARLOTTE	W4BFB	449.60	444.60	*	
CHARLOTTE	K4DIL	449.675	444.675	*	
CHARLOTTE	W4CQ	449.85	444.85	*	
CROWDERS MTN	KD4FRP	448.675	443.675	N	
DALLAS/CHARLOTTE	WA1WXL	449.95	444.95	*	BLT136.5
DENVER/CLT	KA4YMY	449.70	444.70	*	BL
DURHAM	WA4WTX	449.10	444.10	*	AL
EDEN	WA4WGY	448.975	443.975	*	
FAYETTEVILLE	WB4YZF	449.40	444.40	*	
FOREST CITY	KC4YOQ	449.40	444.40	*	
GASTONIA	N0IZF	449.15	444.15	*	ABELR
GASTONIA	WB4VTE	449.55	444.55	*	
GASTONIA/CROWDER	KC4YOT	448.75	443.75	*	ABELR
GASTONIA/CROWDER	N0IZF	449.75	444.75	*	ABELR
GIBSONVILLE	WC3V	449.35	444.35	N	C
#GOLDSBORO	KK4YP	448.00	443.00	*	UNCOORD.
GOLDSBORO	AA3CH	448.05	443.05	*	ELT156.7
GREENSBORO	WB4GUG	447.225	442.225	*	
GREENSBORO	WD4PQZ	448.50	443.50	*	ALR
GREENSBORO	WB4WOR	449.30	444.30	*	BEP
GREENVILLE	AI4J	449.80	444.80	*	
#HAMLET	WA4ZIA	448.20	443.20	*	UNCOORD.
HAW RIVER	KD4JFN	448.775	443.775	*	ABERT107.2
HAW RIVER	K2MZ	448.875	443.875	N	T
HENDSVL/BERWLW M	WA4KNI	449.25	444.25	*	
HICKORY	K4JEQ	449.00	444.00	N	
HIGH POINT	N4LXW	448.70	443.70	N	
HIGH POINT	KB4JIF	448.90	443.90	*	B
HIGH POINT	AC4DZ	449.025	444.025	*	A
JACKSONVILLE	WA4WGA	449.675	444.675	*	C
KANNAPOLIS	N4JEX	448.25	443.25	*	
KING/SAURATOWN M	WA4YHH	449.775	444.775	*	T103.5
LEXINGTON	WD4ICX	449.50	444.50	N	
LOCUST	WA4LBT	448.70	443.70	*	PL
LUMBERTON	WB4DVN	449.625	444.625	N	B
#MARSHALL	KC4KPW	447.00	442.00	N	UNCOORD.
#MARSHALL	KC4KPW	448.00	443.00	N	UNCOORD.
MIDDLESEX	NE4J	449.65	444.65	*	
MORG. WALKER TOP	N4OOC	447.30	442.30	N	ABL
MT AIRY/FSH PK	KF4UY	449.825	444.825	*	ABLR
MT MITCHELL	N4DWU	448.60	443.60	*	
MT. AIRY	N4XRY	449.925	444.925	*	
MURPHY	N4USU	447.60	442.60	N	T151.4
NEW BERN	WD4JMS	449.90	444.90	*	B
OXFORD	AC4UO	449.60	444.60	N	
PINEY KNOB	KC4KPW	448.875	443.875	*	
PITTSBORO	WB4MMY	447.55	442.55	*	PT
POLKVILLE	KC4ZTJ	449.975	444.975	*	P
RALEIGH	N4BEA	447.15	442.15	N	L
RALEIGH	N4LMR	447.45	442.45	N	P
RALEIGH	N4ZCM	448.225	443.225	*	BPT
RALEIGH	W1IFL	448.375	443.375	N	
RALEIGH	WA4PEN	449.525	444.525	*	PL
RALEIGH	W4ATC	449.775	444.775	N	
RALEIGH	W4DW	449.875	444.875	*	O
RALEIGH	W4DW	449.95	444.95	*	A
REIDSVILLE/EDEN	K4YEC	449.80	444.80	*	
ROANOKE RAPIDS	KK4VM	449.55	444.55	N	AO
ROARING GAP	KC4XE	448.55	443.55	*	L
ROCKY MOUNT	N4JEH	449.70	444.70	N	BP
#ROCKY MT.	WB4WAA	449.00	444.00	*	UNCOORD.
SALISBURY	W4HG	448.15	443.15	*	ABT
SALISBURY	K0SD	449.575	444.575	N	A
SALISBURY	N4MME	449.65	444.65	*	AT
SAURATOWN MT	K4AZA	439.25	421.25	*	OV
SAURATOWN MT	N4GGC	448.10	443.10	*	L
SAURATOWN MT	WA4WTB	448.40	443.40	*	C
SELMA	KK4YP	449.00	444.00	*	BP
SHELBY	W4NYR	439.25	427.25	*	V
SMITHFIELD	KD4BFI	449.25	444.25	N	
SPINDALE	KC4IEV	448.30	443.30	*	T123.0
STATESVILLE	N4VOZ	448.45	443.45	*	O A
SUNSET BEACH	AC4AM	447.625	442.625	*	C
TAYLORSVL/BARR M	K4OLC	449.05	444.05	*	BC
THOMASVILLE	K4AZA	447.90	442.90	*	L
WEST JEFFERSON	WA4PXV	447.375	442.375	*	C
WILMINGTON	KM4GN	447.20	442.20	N	P
WILMINGTON	K4YNY	447.500	442.500	N	ALR
WILMINGTON	KM4GN	449.20	444.20	N	
WILMINGTON	K4GMP	449.85	444.85	*	B
WILSON	NE4J	449.90	444.90	*	L
WINSTON-SALEM	W4NC	449.275	444.275	*	C
WINSTON-SALEM	N4QDK	449.725	444.725	N	ABR
YADKINVILLE	N4AAD	447.80	442.80	*	A
YANCEYVILLE	N4VWK	449.225	444.225	N	A
YAUPON BEACH	W4RPC	448.40	443.40	*	C

1270 MHZ

CHARLOTTE	KA4YMY	271.95	291.95	*	
#CHARLOTTE	W4PPN	277.25	253.25	*	UNCOORD.
GASTONIA/CROWDER	N0IZF	272.82	292.82	*	ABELR

SOUTH CAROLINA REPEATERS

10 METERS

RKY RDG/WALLACE	KA4ABW	29.60	RMT.BS	*	R

6 METERS

PICKENS	WB4YXY	52.41	53.41	N	

2 METERS

AIKEN	W4TUN	144.57	145.17	N	A
AIKEN	N4ADM	147.885	147.285	*	P
ANDERSON	N4SZ	146.37	146.97	*	BP
ANDERSON/SAS MT	W4FVV	146.19	146.79	*	B
AWENDAW	K4ESG	146.16	146.76	N	BPT
AWENDAW	K4ESG	147.90	147.30	N	PT103.5
BAMBERG	WA4DFP	144.73	145.33	*	

MORE SOUTH CAROLINA REPEATERS

BARNWELL	WA4FOF	147.63	147.03	*	B
BEAUFORT	KB4GY	144.71	145.31	*	
BOWMAN	KC4NXU	144.79	145.39	N	
CHARLESTON	WB4UIV	144.65	145.25	*	
CHARLESTON	WA4USN	146.19	146.79	*	
CHARLESTON	KC4UDD	146.235	146.835	*	ABL
CHARLESTON	KD4PBC	146.34	146.94	N	BL
CHARLESTON	WB4LET	147.87	147.27	N	PL
CHERAW	KA4ABW	147.735	147.135	N	AE
CHESTER	AC4IP	146.025	146.625	N	CLOSED-T
COLUMBIA	WB4NEP	146.115	146.715	N	P
COLUMBIA	KC4GYM	146.175	146.775	*	BLPT156.7
COLUMBIA	KB4HE	146.40	147.00	N	BLPT
COLUMBIA	N4NUY	147.93	147.33	*	
COLUMBIA	N4EOY	147.96	147.36	N	L
CONWAY	WD4JMT	144.51	145.11	*	BE
DILLON/PEE DEE	NN4N	146.145	146.745	*	
DORCHESTER	W4NAT	147.78	147.18	N	
ELLOREE	KC4WIF	146.01	146.61	*	AB
FLORENCE	W4ULH	146.25	146.85	*	A
FLORENCE	WA4ISM	146.37	146.97	*	A
FLORENCE	W4PNZ	147.795	147.195	N	B
FT MILL/CAROWND	AA4SC	147.78	147.18	N	
GAFFNEY	KN4RG	144.87	145.47	*	B
GASTON	WB4NEP	144.61	145.21	N	P
GEORGETOWN	WD4DMI	147.975	147.375	N	
GREENVILLE	W4IQQ	146.34	146.94	*	T
GREENVILLE	K4LEO	147.975	147.375	N	T
GREENWOOD	K4VIA	147.765	147.165	*	BP
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	*	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	*	P
HILTON HEAD	W4ILN	147.84	147.24	*	
INMAN	WD8OXE	144.55	145.15	*	P
LANCASTER	W4PAX	146.10	146.70	*	
LANCASTER	AC4VT	147.84	147.24	*	
LAURENS	KB4YF	146.265	146.865	*	
LEXINGTON	KB4HE	146.64	147.00	N	BL
LEXINGTON	KA4FEC	147.99	147.39	*	B
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	E
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MYB BCH/BRKSVIL	W4DCD	147.885	147.285	N	AL
MYRTLE BEACH	WA4DDK	144.87	145.47	N	T
MYRTLE BEACH	WD4JMT	147.72	147.12	*	BER
N. AUGUSTA	K4FKJ	146.13	146.73	*	
N. MYRTLE BEACH	K4HOG	147.63	147.03	*	B
N. SPARTANBURG	N4UZT	147.915	147.315	*	ABT141.3
NEWBERRY	KB4CO	146.085	146.685	N	
ORANGEBURG	WM3O	146.205	146.805	N	C
ORANGEBURG	KC4WIF	146.28	146.88	*	ABL
ORANGEBURG	KM4RP	147.69	147.09	N	
PAGELAND/HIPOINT	KA4ABW	146.295	146.895	*	ABLR
PICKENS	WB4YXZ	146.40	147.00	N	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	*	A
ROCK HILL	AA4PF	144.71	145.31	*	PL
ROCK HILL	K4YTZ	146.43	147.03	N	P
SANTEE	W4DTW	147.825	147.225	N	AB
SENECA/LONG MT	WA4JRJ	147.87	147.27	*	BEP
SIMPSONVILLE	WD4BJY	146.13	146.73	*	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	Y
SPARTANBURG	K4JLA	147.69	147.09	*	A
ST. MATTHEWS	AD4U	146.07	146.67	N	ABLRT131.8
SUMMERTON	N4LWY	144.55	145.15	N	P
SUMTER	WB4KIV	144.53	145.13	N	
SUMTER	WB4KIV	146.04	146.64	*	
#SUMTER	WA4UMU	147.615	147.015	*	UNCOORD.
SUMTER/SHAW	W4VFR	147.66	147.06	N	A
WEST COLUMBIA	KC4GYM	144.67	145.27	*	BLP
WEST COLUMBIA	KC4GYM	144.83	145.43	*	P
WHITE HALL	W4BWZ	146.31	146.91	*	B
WHITE OAK MTN	WD4MGM	147.885	147.285	N	

220 MHZ

AIKEN	W4TUN	223.36	224.96	N	TA
CHARLESTON	KA4NRL	222.58	224.18	N	BP
COLUMBIA	KC4SWI	223.04	224.64	N	BP
COLUMBIA	N4EOY	223.30	224.90	N	LR
CROSS	KB4VFD	222.98	224.58	*	CA
FLORENCE	N4JJ	223.34	224.94	N	BP
GREENVILLE	W4ILY	222.60	224.20	*	A
LITTLE MTN	K4RWN	222.92	224.52	N	PB
ORANGEBURG	KO4BR	223.18	224.78	N	BP
PICKENS	WB4QHF	222.80	224.40	*	BP
PICKENS/CSRS HD	WB4QHF	222.54	224.14	*	LR
PICKENS/SASFR MT	KJ4X	222.72	224.32	N	B
ROPER MT/GRNVL	W4NYK	223.32	224.92	*	
SUMTER	K4GYR	223.26	224.86	*	
SUMTER/SHAW	W4VFR	223.06	224.66	N	
WEST SPRINGS	KN4CW	222.84	224.44	N	BP

This SERA Official Repeater Index Reflects Changes thru July 18, 1993

440 MHZ

AIKEN	W4TUN	448.40	443.40	N	TA
ANDERSON/SAS MT	WD4BUH	449.925	444.925	*	BO
CHARLESTON	N4MNH	449.30	444.30	*	AB
CHARLESTON	KD4PBC	449.95	444.95	N	BL
COLUMBIA	KC4GYM	442.10	447.10	*	BT156.7
COLUMBIA	N4EOY	448.00	443.00	N	LR
CROSS	KB4VFD	447.30	442.30	*	CA
FLORENCE	N4JJ	449.00	444.00	N	B
GAFFNEY	KN4RG	449.80	444.80	*	C
GEORGETOWN	WD4JMT	449.925	444.925	N	AB
GREENVILLE	KB4PQA	447.25	442.25	*	BRP
GRNVLE/PARIS MT	ND4N	448.35	443.35	*	P
LANCASTER	N4MZL	449.10	444.10	N	A
LAURENS	WD4CWY	448.775	443.775	*	BT
LEXINGTON	N4GUP	439.25	421.25	*	V
MYB BCH/BRKSVIL	W4DCD	449.525	444.525	N	ALR
MYR BCH/CONWAY	WD4JMT	449.675	444.675	*	ABT203.5
NORTH CHARLESTON	KC4UDD	449.60	444.60	*	AB
ORANGEBURG	WM3O	449.975	444.975	N	AB
PICKENS/CSRS HD	WB4QHF	447.40	442.40	*	
ROCK HILL	WB4TWX	448.475	443.475	N	B
SUMMERVILLE	WA4HNK	448.80	443.80	*	EP
SUMTER	WA4UMU	439.25	423.25	N	V
SUMTER	K4GYR	449.50	444.50	*	P
#WEST COLUMBIA	KC4GYM	449.20	444.20	*	UNCOORD.

TENNESSEE REPEATERS

10 METERS

GREENEVILLE	WB4NKM	29.54	29.64	*	
JACKSON	NQ4W	29.54	29.64	N	C
MEM/FISHERVILLE	N4DRL	29.58	29.68	N	ALR
MEMPHIS	W4ZJM	29.52	29.62	*	BLT*#
NASHVILLE	WA4BZU	29.54	29.64	N	TLO
UNION CITY	WA4YGM	29.56	29.66	*	O

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
GALLATIN	WD4KWP	52.45	53.45	N	L
GREENEVILLE	WB4NKM	52.01	53.01	*	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	N	
KNOXVILLE	WA4YON	52.25	53.25	N	
KNXVL/ENG MT	WB4IOB	52.15	53.15	*	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	N	LRT
MEMPHIS	WA4KOG	52.01	53.01	N	
MEMPHIS	K4RDK	52.55	53.55	N	
MORRISTOWN	KD4LP	52.23	53.23	*	
NASHVILLE	N4ARK	52.525	145.21	*	BR
OAK RIDGE	WD4GYN	52.11	53.11	*	
#ROAN MTN	KD4PVU	52.31	53.31	N	UNCOORD.

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ALCOA	N4RYR	146.055	146.655	*	ABE
ANDERSON CTY	WB4KUD	146.10	146.70	*	AB
ATHENS	WA4PNI	144.71	145.31	*	T141.3
BENTON	K4SIR	144.85	145.45	N	T
BLOUNTVILLE	WA4KMG	147.60	147.00	N	B
BLUFF CITY	KA4ZTK	147.885	147.285	N	BE
BRISTOL	WB4DKI	146.07	146.67	*	A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	N	A
BROWNSVILLE	KB4YTU	144.83	145.43	N	PL
BROWNSVILLE	K4OKV	146.055	146.655	*	AB
CARTHAGE	N4OTT	144.59	145.19	*	
CHATT/SIGNAL MT	W4AM	146.055	146.655	N	O
CHATTANOOGA	K4CMY	144.53	145.13	*	
CHATTANOOGA	K4VCM	144.69	145.29	*	
CHATTANOOGA	W4AM	144.79	145.39	*	A
CHATTANOOGA	K4CMY	146.01	146.61	*	
CHATTANOOGA	W4AM	146.19	146.79	*	A
CLARKSVILLE	WD4SGA	147.60	147.00	N	
CLARKSVILLE	AA4TA	147.99	147.39	N	A
CLEVELAND	W4GZX	146.31	146.91	*	A
CLEVELAND	WD4DES	147.78	147.18	*	A
COLLEGEDALE	KE4QS	147.60	147.00	*	BP
#COLLIERVILLE	NU5O	144.53	145.13	*	UNCOORD.
COLLINWOOD TN	KM4ME	146.055	146.655	N	
COLUMBIA	WA4ZYX	147.72	147.12	*	AB
COOKEVILLE	NQ4Y	144.51	145.11	N	
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	K4HKZ	147.645	147.045	N	C
COOKEVILLE	N4WS	147.81	147.21	*	AER
COVINGTON	WA4KOG	144.85	145.45	N	PR
COVINGTON	WA4VXW	147.93	147.33	N	PLK
#CROSSVILLE	AC4AA	147.465	146.865	*	UNCOORD.
CUMBERLAND CITY	WD4DBJ	144.73	145.33	*	
DAYTON/RHEA CTY	K4PHT	147.99	147.39	*	B
DECATUR-PONE KB	W4RJC	144.55	145.15	N	
#DICKSON	KN4HL	147.975	147.375	*	UNCOORD.
DOVER	N4VIH	144.81	145.41	N	
DYERSBURG	WB4RCK	146.145	146.745	N	
ERWIN	WB4BRV	144.65	145.25	N	BPT
ERWIN/PINNACLE	N4WXS	144.65	145.25	N	ABER PR
ERWIN/UNICOI CO	WB4BRV	147.765	147.165	*	BP
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	BP
FISHERVILLE	N4DRL	144.65	145.25	N	ABEL
FRANKLIN	KK4IY	146.385	146.985	N	
FRUITLAND	NU5O	146.175	146.775	*	BLT107.2
GALLATIN	N4SSB	144.53	145.13	*	T107.2
GALLATIN	WD4BKY	147.84	147.24	*	BLT114.8
GALLATIN	WA4YQC	147.87	147.27	*	BLPT114.8
GERMANTOWN	KA4ATI	147.69	147.09	N	
GRAND JUNCTION	N4DRL	147.63	147.03	N	
GRANDJUNCTION	N4DRL	146.43	147.03	N	
GRAY	WD4SBX	144.51	145.11	*	
GRAY/HOLSTON MT	WD4SBX	147.81	147.21	*	T103.5
GREENBRIER	WQ4E	147.675	147.075	N	B
GREENEVILLE	K4EPC	144.79	145.39	*	
GREENEVILLE	WB4NKM	144.81	145.41	*	
GRNVLE/VIKING MT	KB4UG	147.66	147.06	N	R
GTLBG/COVE MTN	WA4KJH	146.25	146.85	*	LE
GUTHRIE (TN/KY)	KA4NNE	146.205	146.805	N	
HENDERSON	K4TC	147.705	147.105	*	PE
HENDERSONVILLE	WB4WZK	144.67	145.27	*	PT
HENDERSONVILLE	K4UVH	147.945	147.345	N	
HOHENWALD	KE4KO	144.85	145.45	N	
HUMBOLDT	NQ4Y	144.75	145.35	N	AL
JACKSON	WB7BOX	144.51	145.11	N	AL
JACKSON	KF4SC	144.71	145.31	N	A
JACKSON	W4WKZ	147.81	147.21	N	A
JAMESTOWN	K4NLP	147.69	147.09	*	
JASPER	KD4XX	144.59	145.19	*	A
JOHNSON CITY	WB4SQC	144.69	145.29	*	BP
JOHNSON CITY	W4ABR	146.19	146.79	*	BP
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	*	BP
KNOXVILLE	KN4QB	144.51	145.11	*	
KNOXVILLE	WB4GBI	144.57	145.17	*	
KNOXVILLE	W4BBB	144.61	145.21	*	A
KNOXVILLE	WA4TEM	144.73	145.33	*	ABER
KNOXVILLE	WA4GZE	144.77	145.37	*	
KNOXVILLE	N4IUA	144.83	145.43	N	
KNOXVILLE	WB4GBI	144.87	145.47	*	
KNOXVILLE	WB4GBI	146.025	146.625	*	
KNOXVILLE	WB4GBI	146.34	146.94	*	
KNOXVILLE	KA4AZQ	146.40	147.00	*	BT100.0
KNOXVILLE	WB4GBI	147.675	147.075	*	A
KNOXVILLE	KA4AZQ	147.795	147.195	*	BT100.0
KNOXVILLE	W4BBB	147.90	147.30	*	
KNXVL/ENG MT	WB4IOB	146.13	146.73	*	
LAFAYETTE	KC4ECD	144.71	145.31	*	ET
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE	KA4OAK	147.96	147.36	N	
LAFOLLETTE/WMT	K4BGW	146.07	146.67	*	
LAKE CITY	WB4OAH	146.22	146.82	N	A
LAVERNE	KJ4RA	144.63	145.23	N	
LEBANON	WB4DOR	144.79	145.39	N	
LEBANON	WD4JVV	147.615	147.015	N	
LEXINGTON	WD4MVR	146.43	147.03	N	
MANCHESTER	W4UOT	146.10	146.70	N	A
MARTIN	N4ABU	146.025	146.625	*	A
MAYNARDVILLE	KB4KIE	144.63	145.23	N	E
MCMINNVILLE	WD4MWQ	146.37	146.97	N	P
MCMINVL/SHT MT	WB4LHO	144.89	145.49	N	
MCNAIRY	NU5O	147.675	147.075	*	BLT107.2
MEDINA	WA4RWK	146.37	146.97	N	AB
MEM/FISHERVILLE	N4DRL	144.73	145.33	N	ABL
MEMPHIS	K0JXI	144.55	145.15	N	
MEMPHIS	KA0BRN	144.57	145.17	N	ALT
MEMPHIS	WA4KOG	144.89	145.49	N	
#MEMPHIS	WB4KQQ	146.04	146.64	N	UNCOORD.
MEMPHIS	WB4DAZ	146.13	146.73	*	P
MEMPHIS	WA4HBY	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	*	P
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	*	AL
MEMPHIS	N4BSM	146.34	146.94	N	A
MEMPHIS	W4ZJM	146.40	147.00	*	BLT*#
MEMPHIS	WA4MQQ	147.66	147.06	N	
MEMPHIS	KA4GMV	147.72	147.12	N	AT
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WA4ADT	147.90	147.30	*	PL

MORE TENNESSEE REPEATERS

MEMPHIS	W4BS	147.96	147.36	N	PR
MONTEAGLE	N4SSB	144.81	145.41	*	LTO
MORGAN COUNTY	WD4ORB	147.93	147.33	*	
MORRISTOWN	KD4LP	144.85	145.45	*	B
MORRISTOWN	KD4LP	147.63	147.03	*	E
MORRISTOWN	WB4OAH	147.825	147.225	N	A
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MURFREESBORO	WB4LHO	144.57	145.17	N	
NASHVILLE	N4ARK	144.61	52.525	*	BLR
NASHVILLE	N4ARK	144.61	145.21	*	BLR
NASHVILLE	N4ARK	144.87	145.47	*	BP
NASHVILLE	WA4PCD	146.01	146.61	N	P
NASHVILLE	W4PQP	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79	*	
NASHVILLE	N4TK	146.25	146.85	*	PT114.8
NASHVILLE	WA4TOA	146.28	146.88	*	PT114.8
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	K4AYN	147.645	147.045	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	K4ZGA	147.78	147.18	*	ABT
NASHVILLE	WA4BZU	147.855	147.255	N	TP
NASHVILLE	WB4ZSA	147.90	147.30	N	P
NASHVILLE	WB4NTM	147.96	147.36	*	ATL
NASHVILLE W	WB4NTM	146.04	146.64	*	AT
NASHVILLE W	WB4NTM	146.07	•146.67	*	ATL
NASHVLE/FAIRVIEW	N4ARK	144.51	145.11	*	B
NOLENSVILLE	WD4JYD	144.75	145.35	N	
OAK RIDGE	W4SKH	146.28	146.88	N	
OAK RIDGE	W4SKH	146.37	146.97	N	A
OAK RIDGE	K4EAJ	147.72	147.12	*	
OAK RIDGE	K4EAJ	147.75	147.15	*	LT
OAKFIELD	WA4BJY	147.99	147.39	N	PRT
OLIVER SPRINGS	AA4UP	146.145	146.745	*	
PARIS	K4KLX	147.96	147.36	N	A
PETROS/FRZ HD MT.	KJ4SI	147.855	147.255	*	BEP
PIKEVILLE	K4PUX	147.885	147.285	*	
PINSON	WB0TMC	147.87	147.27	N	C
POCAHONTAS	WB4MMI	144.65	145.25	N	
PULASKI/MUSIC MT	WB4OYG	146.175	146.775	*	E
PURYEAR	WA4CEX	147.765	147.165	N	
RAMER	WB4MMI	146.10	146.70	N	
RIDGETOP	WD4FFM	144.69	145.29	N	
#ROCKWOOD/MT ROO	KA4QYI	146.04	146.64	*	UNCOORD.
ROCKWOOD/MT ROOS	AA4KS	147.615	147.015	*	ABER
ROGERSVILLE	KD4HZN	147.915	147.315	N	AB
SALTILLO	KB4JUB	146.115	146.715	N	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	
#SHELBYVILLE	KC4KRM	144.53	145.13	*	UNCOORD.
#SHELBYVILLE	W4QEB	147.66	147.06	N	UNCOORD.
SHOP SPRINGS	N4IDG	147.705	147.105	*	ELPT100
SHORT MTN	W4YXA	146.31	146.91	N	
SMITHVILLE	KI4OG	144.77	145.37	N	ALT
SPRING HILL	NW4E	144.85	145.45	N	A
SULPHUR SPRINGS	WD4OBW	146.325	146.925	*	CL
TRENTON	KN4KP	146.265	145.865	N	AENB
UNION CITY	WA4YGM	146.10	146.70	*	A
UNION CITY	WA4YGM	147.615	147.015	*	OAR
WALLAND	KB4PIO	146.085	146.685	N	BP
WATERTOWN	KE4WA	146.13	146.73	N	T100
WATERTOWN	N4IDG	146.235	146.835	*	LP
WINCHESTER	W4SFF	146.22	146.82	N	A

220 MHZ

BLOUNTVILLE	WA4KMG	222.60	224.20	N	B
BROWNSVILLE	KB4YTU	222.60	224.20	N	PL
CHATT/SIGNAL MT.	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	K4VCM	223.18	224.78	*	
CLARKSVILLE	KF4GP	222.34	223.94	N	
CLEVELAND	KK4US	222.72	224.32	N	AB
CLINCH MTN	KC4RGQ	223.04	224.64	*	ABL
COLLIERVILLE	KB4YGI	222.80	224.40	N	PL
COLUMBIA	KE4KO	223.12	224.72	N	
DAYTON	K4PHT	223.24	224.84	*	PR
FISHERVILLE	N4DRL	223.28	224.88	N	AL
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	N	
GRAY/HOLSTON MTN	WD4SBX	223.30	224.90	*	
GREENBRIAR	WQ4E	223.20	224.80	N	AB
GREENBRIER	WQ4E	223.16	224.76	N	PR
GREENEVILLE	WB4NKM	223.34	224.94	*	ABR
HERMITAGE	WB4RAB	222.30	223.90	N	
JC/BUFFALO MT	WA4UCI	223.18	224.78	*	
JONESBOROUGH	WD4OBW	222.92	224.52	*	ALB
KNOXVILLE	N4OQJ	222.78	224.38	*	B
KNOXVILLE	WA4YON	222.86	224.46	N	
KNOXVILLE	W4BBB	222.90	224.50	*	
KNOXVILLE	N4KFI	222.98	224.58	N	B
KNOXVILLE	KD4IBW	223.10	224.70	N	
KNXVL/CROSS MT	KB4FZK	222.62	224.22	*	BT100
LAFOLLETTE	KA4OAK	222.68	224.28	N	
LAVERGNE	KJ4RA	223.36	224.96	N	
MEM/FISHERVILLE	N4DRL	222.90	224.50	N	AL
MEMPHIS	W4ZJM	222.34	223.94	*	BLT*#
MEMPHIS	W4BS	222.82	224.42	*	L
MEMPHIS	WA4KOG	223.18	224.78	N	
MORRISTOWN	N4RBB	222.80	224.40	N	AB
NASHVILLE	WB4NTM	222.48	224.08	*	
NASHVILLE	WR3S	222.56	224.16	N	ABRL
NASHVILLE	KB4ZOE	222.76	224.36	*	AR
NASHVILLE	KI4OG	222.84	224.44	N	AERT
NASHVILLE	K4ZGA	222.88	224.48	*	
NASHVILLE	WR3S	223.06	224.66	N	ALR
NASHVILLE	N4PYI	223.14	224.74	*	ALRT100.0
NASHVILLE	WA4PCD	223.34	224.94	N	T
SEVIERVILLE	N2FUV	222.84	224.44	N	PT
SHORT MTN	KE4NP	222.66	224.26	N	LR
SPRINGFIELD	KO4BN	222.62	224.22	N	ABER

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
BARTLETT	WA4DOR	448.70	443.70	N	T
BARTLETT	WA4PAJ	449.25	444.25	N	
BENTON/BEAN MT	KA3SWI	447.025	442.025	N	ELRP
BENTON/BEAN MT	K4SIR	449.95	444.95	N	T
BETHPAGE	KC4YCR	447.20	442.20	N	
BLUFF CITY	WB4RAV	449.725	444.725	N	BCO
BRISTOL/HLST MT	K4LSP	449.50	444.50	N	A
BROWNSVILLE	KB4YTU	449.20	444.20	N	PL
BROWNSVILLE	KB4YTU	449.45	444.45	N	CPL
CARTHAGE	N4OTT	448.725	443.725	*	
CHATTANOOGA	WJ9J	447.15	442.15	N	ABELR
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	W4AM	449.10	444.10	*	A
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CLARKSVILLE	WA4BZU	449.325	444.325		T
CLARKSVILLE	KF4GP	449.95	444.95	N	
CLEVELAND	WD4DES	447.25	442.25	*	
CLEVELAND	KD4NEB	447.45	442.45	N	AB
CLEVELAND	W4GZX	449.275	444.275	*	C AB
COLUMBIA	WA4BGK	449.925	444.925		T
COOKEVILLE	N4UBR	447.30	442.30	N	B
COOKEVILLE	NQ4Y	449.55	444.55	N	
CUMBERLAND CITY	WD4DBJ	448.40	443.40	*	PT
DOVER	N4VIH	449.925	444.925	N	
ETHRIDGE	AB4UP	449.075	444.075	*	ARBLT107.2
FAYETTEVILLE	KC4GPM	448.10	443.10	*	O
FISHERVILLE	N4DRL	449.30	444.30	N	ABEL
FRANKLIN	N4ULM	448.85	443.85	N	
FRANKLIN	WA4AKM	449.725	444.725	*	LT
GALLATIN	N4SSB	447.60	442.60	*	BLT107.2
GALLATIN	WD4BKY	449.00	444.00	*	CBLPT107.2
GALLATIN	WD4BKY	449.35	444.35	*	LPT114.8
GALLATIN	WD4KWP	449.45	444.45	N	
GALLATIN	WA4AKM	449.775	444.775	*	NT107.2
GATLBG/COVE MT	WA4KJH	448.30	443.30	*	L
GORDONSVILLE	N4SSB	447.70	442.70	*	BLO
GRAY/HOLSTON MT	WD4SBX	447.20	442.20	*	T103.5
GREENBRIER	WQ4E	449.25	444.25	N	
GREENEVILLE	WB4NKM	449.65	444.65	*	T100.0
GRNVLE/VIKING MT	KB4UG	448.20	443.20	N	C
HENDERSON	K4TC	449.75	444.75	*	P
HENDERSONVILLE	N4SSB	447.50	442.50	*	BLT107.2
JACKSON	WB4EPG	447.80	442.80	N	A
JACKSON	WB7BOX	449.875	444.875	N	PERLT
JAMESTOWN	KC4MJN	448.625	443.625	N	
JASPER	KD4XV	447.05	442.05	*	O
JOHNSON CITY/HMV	WB4SQC	448.425	443.425	*	
KNOXVILL/ENG MTN	WB4HAP	449.60	444.60	*	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	KD4IBW	448.675	443.675	N	
KNOXVILLE	KC4NNN	449.175	444.175	N	A
KNOXVILLE	WB4GBI	449.30	444.30	*	
KNOXVILLE	KC4NNN	449.425	444.425	N	B
KNOXVILLE	KB4KSL	449.50	444.50	*	AO
KNXVL/CROSS MTN	N4UAG	448.075	443.075	N	BT
LAFAYETTE	KC4ECD	449.125	444.125	*	RT
LAWRENCEBURG	AB4UP	447.675	442.675	*	
LEBANON	WA4AXH	449.275	444.275		T
LONE MOUNTAIN	KN4VY	447.075	442.075	N	ELP
MARYVILLE	KC4PDQ	449.075	444.075	*	A
#MCMINNVILLE/HF.	WD4MWQ	449.65	444.65	N	UNCOORD.
MCNAIRY	NU5O	449.55	444.55	*	CLOSED
MEDINA	WA4BJY	447.05	442.05	N	AL
MEMPHIS	W4EM	434.00	421.25	*	V
MEMPHIS	WB4EPG	447.625	442.625	N	
MEMPHIS	WF4G	447.825	442.825	N	
MEMPHIS	W4ZJM	448.00	443.00	*	BT*#
MEMPHIS	KA4JXT	448.10	443.10	N	T107.2
MEMPHIS	W4BS	448.20	443.20	*	
MEMPHIS	WA4QWW	448.40	443.40	N	A
MEMPHIS	WA4KOG	448.80	443.00	N	NB
MEMPHIS	KA5RYF	448.95	443.95	N	
MEMPHIS	KA0BRN	448.975	443.975	N	ALT
MEMPHIS	WA4ETE	449.00	444.00	*	T
MEMPHIS	K4RDK	449.025	444.025	N	
MEMPHIS	KA4JXT	449.10	444.10	N	RP
MEMPHIS	WA4KOG	449.40	444.40	N	
MEMPHIS	K0JXI	449.60	444.60	N	
MEMPHIS	K0JXI	449.80	444.80	N	
MEMPHIS	WB4NNE	449.95	444.95	N	O
MEMPHIS/ADAMS	MKK5FC	449.825	444.825	*	
MILAN	WD4ABJ	447.10	442.10	N	
MONTEAGLE	N4SSB	447.40	442.40	*	LT0
MORRISTOWN	KA4NEX	449.20	444.20	N	
MORRISTOWN	KD4LP	449.80	444.80	*	AB
MORRISTOWN	KD4LP	449.975	444.975	*	CLOSED
MT JULIET	WB4PUB	448.05	443.05	N	P
MULLOY	KD4BNW	447.90	442.90	N	BT
NASHVILLE	KJ4ZQ	439.25	421.25	N	V
NASHVILLE	KI4OG	449.05	444.05	N	ALTR
NASHVILLE	WB4NTM	449.15	444.15	*	ATL
NASHVILLE	N4ARK	449.225	444.225	*	BLPT107.2
NASHVILLE	WA4BZU	449.30	444.30		T
NASHVILLE	WA4BGK	449.525	444.525	N	T
NASHVILLE	WA4WCK	449.575	444.575	*	T
NASHVILLE	N4TK	449.625	444.625	*	PT107.2
NASHVILLE	WA4PCD	449.675	444.675	N	
NASHVILLE	WA4AKM	449.875	444.875	*	T107.2
NASHVILLE	WA4AKM	449.975	444.975	*	LRPT107.2
OAK RIDGE	K4EAJ	449.40	444.40	*	L
OAKFIELD	WA4BJY	447.20	442.20	N	PTL
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
PIGEON FORGE	KD4CLA	449.925	444.925	*	P
PULASKI	KB4TPI	439.250	421.250	N	V
PULASKI	KB4TPI	447.150	442.150	N	
RAMER	WB4MMI	449.90	444.90	N	
ROCKWOOD	KA4WJS	448.975	443.975	N	
SEVIERVILLE	KD4CWB	448.50	443.50	N	ABT
SEVIERVILLE	KD4CWB	449.00	444.00	N	
SEYMOUR	KD4CWB	448.80	443.80	N	
SHELBYVILLE	KC4KRM	448.825	443.825	*	
SHORT MTN	N4OYS	449.65	444.65	N	
SMITHVILLE	N4PYI	449.525	444.525	*	CT107.2
SMITHVILLE	N4PYI	449.825	444.825	*	T
SMRYNA	KJ4RA	448.975	443.975	N	
SODDY DAISY	WJ9J	449.45	444.45	N	BELRP
WATERTOWN	KE4WA	449.40	444.40	N	BET107.2
WATERTOWN	N4IDG	449.90	444.90	*	P

920 MHZ

MORRISTOWN	KD4LP	908.80	920.80	*	BP
NASHVILLE	K4ZGA	910.25	923.25	*	LV

1270 MHZ

MEMPHIS	N4MW	272.00	292.00	*	B
NASHVILLE	W4WXJ	272.40	284.40	N	
NASHVILLE	KB4ZOE	274.50	286.50	*	AL
NASHVILLE	KD4EEW	277.25	439.25	N	VL

BEACONS

GREENEVILLE	WB4NKM	222.058	BEACON	*	BEACON
MEMPHIS	N4MW	28.25	BEACON	*	
MEMPHIS	N4MW	50.07	BEACON	*	
MEMPHIS	N4MW	144.28	BEACON	*	
MEMPHIS	N4ZRW	144.297	BEACON	*	
MEMPHIS	N4MW	222.055	BEACON	*	
MEMPHIS	N4MW	432.395	BEACON	*	
MEMPHIS	N4MW	902.28	BEACON	*	
MEMPHIS	N4MW	296.28	BEACON	*	C
MEMPHIS	N4MW	304.215	BEACON	*	
MEMPHIS	N4MW	456.04	BEACON	*	

VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

NEWPORT NEWS	WB4CTF	29.60	29.60	*	R
ONEIDA PK/BLFLD	WZ8E	29.58	29.68	N	RL
ROANOKE/POOR MT	WB8BON	29.54	29.64	*	CL
STERLING	KD4DN	29.58	29.68	M	MT

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13	M	ML
AMELIA COURTHSE	KB4YKV	52.11	53.11	N	P
ARLINGTON	KI4MB	52.05	224.06	M	MCL
BEDFORD/THAX MT.	WB4DBB	52.15	53.15	*	
CENTERVILLE	KA4DCS	52.58	52.48	M	M
DANVILLE(DCC)	AA4QT	52.13	53.13	*	
FANCY GAP	WD4ICX	52.29	53.29	*	T107.2
GATE CITY	N4WWB	52.21	53.21	N	ABL
GUM SPRINGS	KB4MIC	52.07	53.07	*	
HERNDON	WD4KHP	52.62	52.82	M	TM
LEXNGTN/ROCK MT.	KI4ZR	52.01	53.01	*	L

MORE VIRGINIA REPEATERS

RICHMOND	WB4FAX	52.43	53.43	N	
ROANOKE	WB4DBB	52.25	53.25	*	L
ROANOKE/POOR MT	WB8BON	52.09	53.09	*	CL

2 METERS

ABINGDN/BRMLY MT	K4LSP	146.01	146.61	N	L
ABINGDON	NM4L	147.945	147.345	*	ABL
ACCOMAC	WA4TVS	147.855	147.255	*	EB
ALEXANDRIA	WB4MJF	144.55	145.15	M	M
ALEXANDRIA	WD4PDP	146.055	146.655	M	MP
ALEXANDRIA	W4HFH	147.915	147.315	M	ML
ALTAVISTA	WA4ISI	146.055	146.655	*	BELP
ALTON	WD4LBM	146.46	147.06	*	P
AMELIA COURTHSE	KB4YKV	147.78	147.18	N	P
ARLINGTON	N4EFJ	144.87	145.47	M	M
BARREN SPRINGS	K4HZS	146.07	146.67	N	
BEAVERDAM	N4CZJ	144.65	145.25	N	BP
BEDFD-APL ORCH	WA1ZMS	144.81	145.41	*	BT100.0
BEDFD/APL ORCH	WB4DBB	144.63	145.23	*	
BEDFORD	WB4JBJ	147.705	147.105	*	PL
BLACKSBURG	AB9I	146.115	146.715	N	
BLAND	N4AZJ	144.75	145.35	*	RP
BLUEFIELD	W8MOP	144.89	145.49	*	P
BLUEMONT	WA4TSC	147.90	147.30	M	M
BRISTOL	WD4CYZ	146.28	146.88	N	
CHARLOTTESVILLE	KC4YLX	144.69	145.29	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	*	
CHARLOTTESVILLE	N4RAG	146.295	146.895	*	B
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	*	
CHASE CITY	W4AXH	146.31	146.91	*	
CHESAPEAKE	K4NDH	144.69	145.29	N	E
CHESAPEAKE	N4GSP	146.01	146.61	*	ABE
CHESAPEAKE	N4SD	146.19	146.79	*	AE
CHESAPEAKE	KL7SR	147.705	147.105	N	C
CHESTERFIELD	KA4CBB	147.96	147.36	*	BEP
CLARKSVILLE	N4ZCM	144.87	145.47	*	CP
COLLINSVILLE	KN4DE	147.72	147.12	N	BLT103.5
COVINGTON	WA4HTI	146.205	146.805	*	L
CULPEPER	AA4VI	147.72	147.12	M	M
DANTE	WD4CYZ	147.855	147.255	N	O
DANVILLE(DCC)	AA4QT	146.325	146.925	*	AET103.5
DANVILLE/WHT OAK	KM4AU	146.10	146.70	*	BERP
*ELK CRK/IRON MT.	N4MGQ	146.10	146.70	N	UNCOORD.
ENON	WA4ECM	147.66	147.06	*	BP
FAIRFAX	W4LBL	146.19	146.79	M	MP
FALLS CHURCH	W4AQD	144.75	145.35	M	MT
FARMVILLE	WA4QQI	144.73	145.33	*	
FINCASTLE	W4WIC	146.04	146.64	*	A
FOREST	KA7UKJ	144.77	145.37	*	L
FOREST	W8CXD	147.765	147.165	*	L
FRANKLIN	K4SPS	147.90	147.30	*	PE
FREDRICKSBURG	WB4LNT	147.615	147.015	M	M
GALAX/BRIRP MT	N4VL	147.69	147.09	*	A
GALAX/LKOUT MT	N4VL	144.53	145.13	*	R
GATE CITY	N4WWB	146.22	146.82	N	
GLADYS	N4UTN	147.945	147.345	*	BLT
GLOUCESTER	KC4TOG	144.77	145.37	*	PE
GREENBAY	K4ARO	144.55	145.15	N	
GRUNDY	K4HWQ	147.915	147.315	N	A
GRUNDY/BIG A MT.	WD4DCX	146.235	146.835	N	L
GUM SPRING	WB4IKL	147.87	147.27	*	
HAMPTON	K4DHO	146.13	146.73	*	PE
HAMPTON	K4UMI	146.34	146.94	N	T
HAMPTON	KA4VXR	147.825	147.225	N	A
HARRISONBURG	N4YET	144.53	145.13	M	M
HARRISONBURG	N4RAG	147.825	147.225	*	AMT-131.8
HARRISONBURG	N4YET	147.915	147.315	M	MA
HERNDON	N4FXP	144.71	145.31	M	MP
JEWELL RIDGE	WB4QJZ	147.75	147.15	N	
KILMARNOCK	W2MS	144.61	145.21	*	A
LEXINGTON	KI4ZR	147.90	147.30	*	AB
LEXNGTN/ROCK MT.	KI4ZR	147.93	147.33	*	
LORTON	KE4ZN	144.57	145.17	M	MT
LORTON	N4JOQ	144.57	145.17	M	MC
LUNENBURG CT.HSE	AA4OG	147.84	147.24	*	
LYNCHBURG	W4WWQ	146.01	146.61	*	
LYNCHBURG	AB4M	146.415	147.015	N	P
LYNCHBURG	WA4RTS	147.795	147.195	*	
LYNCHBURG	KB4ILD	147.975	147.375	N	P
MADISON	N4AJO	147.99	147.39	M	M
MANASSAS	WA4FPM	146.37	146.97	M	MBLPE
MARION	KC4SKE	144.67	145.27	N	T103.5
MARION	N4QLF	146.04	146.64	N	A
MCLEAN	WD4IWG	147.81	147.21	M	MBP
MOUNTAIN LAKE	WZ8E	147.465	146.865	N	PL
MT.LAKE/BALD KNB	K4TUE	146.31	146.91	*	O
NEW MARKET	K4AVW	146.025	146.625	M	MB
NEWPORT NEWS	W4MT	144.63	145.23	*	B
NEWPORT NEWS	WA4OHX	144.89	145.49	*	ABET''6''
NEWPORT NEWS	WB4CTF	147.765	147.165	*	PLR
NORFOLK	WA4ZUA	144.57	145.17	N	PER
NORFOLK	NS3F	144.73	145.33	*	
NORFOLK	NE4D	146.10	146.70	N	E
NORFOLK	KA4HBU	147.675	147.075	N	
NORTON/HIGH KNOB	K4AXO	146.415	147.015	N	LP
OILVILLE	N4TZE	147.69	147.09	N	C
ONEIDA PEAK/BLF	WZ8E	146.355	146.955	*	PL
PEARISBURG	N4AZJ	147.735	147.135	N	
PENNINGTON GAP	N4LQC	146.10	146.70	N	
PETERSBURG	K4ARO	147.99	147.39	N	
PKS KB/PULASKI	WB3S	147.78	147.18	*	BP
PORTSMOUTH	W4POX	146.25	146.85	*	AE
RICHMOND	K4YPE	144.51	145.11	*	A
RICHMOND	WB4FAX	144.59	145.19	N	
RICHMOND	W4SQT	144.83	145.43	N	P
RICHMOND	WB4QEY	146.04	146.64	*	P
RICHMOND	WA4ZBE	146.28	146.88	*	P
RICHMOND	W4ZA	146.34	146.94	*	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	*	T
RIDGEWAY	KD4QWD	147.885	147.285	*	BPT107.2
ROANOKE	N4AP	146.34	146.94	N	A
ROANOKE/POOR MT	KC4DY	146.145	146.745	*	BEP
ROANOKE/POOR MT	W4CA	146.385	146.985	*	BEP
ROANOKE/POOR MT.	WB4QOJ	144.61	145.21	N	YVKL
ROANOKE/POOR MTN	K4ARO	144.79	145.39	N	LT107.2
ROANOKE/POOR MTN	KB4QWO	147.87	147.27	N	BCLP
RUSTBURG/LONG MT	N4UTN	146.235	146.835	*	BP
SALEM	W4PDL	146.28	146.88	N	
SALUDA	AA4HQ	144.85	145.45	*	ABE
SMITHFIELD	N3ELM	147.795	147.195	*	BLPT100.0
STAFFORD	NM7J	144.67	145.27	M	MP
STAUNTON	W4XD	146.10	146.70	*	
STAUNTON	WA4ZBP	146.25	146.85	*	RY
STAUNTON	W4WRN	146.37	146.97	N	E
STAUNTON/EL. KB	WD4FOZ	147.645	147.045	*	T131.8
STERLING	WA4TXE	146.115	146.715	M	MBP
STUARTS DRAFT	KB4OLM	147.96	147.36	*	PELP
SUFFOLK	WA4HMT	146.40	147.00	*	PE
TROY	KC4YLX	144.69	145.29	*	BEP
TYSONS CORNER	W4XG	146.31	146.91	M	MP
VIENNA	K4HTA	146.085	146.685	M	MB
VIRGINIA BEACH	WA4KXV	146.295	146.895	*	
VIRGINIA BEACH	WA4KXV	146.37	146.97	*	E
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	*	BP
WALKERTON	KA4DZU	146.115	146.715	N	
WARRENTON	NZ4N	147.765	147.165	M	M
WARSAW	KA4ZIP	147.93	147.33	*	E
WAYNESBORO	W4PNT	147.675	147.075	*	BELP
WILLIAMSBURG	K2QIJ	144.81	145.41	*	BPT127.3
WILLIAMSBURG	W4NTG	146.07	146.67	*	ABE
WILLIAMSBURG	KB4ZIN	146.16	146.76	*	ABE
WINCHESTER	N4RAG	144.61	145.21	*	MT131.8
WINCHESTER	W4RKC	146.22	146.82	*	ME
WOODBRIDGE	WB4FQR	147.84	147.24	M	MA
WYTHE/WALKER MTN	WB3T	147.84	147.24	*	ABELT107.2
WYTHEVILLE	WB3T	146.175	146.775	*	AEL
WYTHEVILLE/BLAND	WB3T	146.295	146.895	*	BRT103.5
YORKTOWN	WA4ZBF	147.945	147.345	N	

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	ML
ARLINGTON	KI4MB	222.46	224.06	M	M
BEDFORD	N4PLV	223.24	224.84	*	B
BLF/ONEIDA PK	KD4ARY	222.96	224.56	*	
BLFD/E.RIVER MTN	N8LGA	223.32	224.92	*	O
CHARLOTTESVILLE	KB4YQC	222.54	224.14	*	BCPT
CHARLOTTESVILLE	WA4TFZ	223.16	224.76	*	
COLLINSVILLE	KN4DE	222.82	224.42	N	
DANVILLE	AA4QT	222.78	224.38	*	
DANVLE/WHITE OAK	N4GLA	222.84	224.44	N	AE
DELTAVILLE	AA4HQ	223.30	224.90	N	AE
FAIRFAX	WB4YHD	222.50	224.10	M	ML
FALLS CHURCH	N4CHP	223.38	224.98	M	MP
GLOUCESTER PT.	N4THN	223.02	224.62	*	BEP
HAMPDEN-SYDNEY	WB4PEA	222.60	224.20	N	O
HAMPTON	WB4PVT	223.26	224.86	N	OABER
LAKE GASTON	WA4HMT	223.00	224.60	*	C
LEESBURG	WA4TXE	222.42	224.02	M	M
LOVETTSVILLE	WB4FUJ	222.86	224.46	M	MC
LYNCHBURG	WA1ZMS	222.58	224.18	*	BLT100.0
LYNCHBURG	AB4M	222.68	224.28	N	P
MANASSAS	KB4CVL	222.74	224.34	M	M
MANASSAS	WA4FPM	223.06	224.66	M	MBLPE
MARTINSVILLE	WB4BVI	222.90	224.50	*	P
NORTON/HIGH KNOB	WD4GSM	222.82	224.42	N	B
PETERSBURG	K4ARO	223.10	224.70	N	
RICHMOND	WA4ONG	222.92	224.52	N	K
ROANOKE	WB4DBB	222.50	224.10	*	L
ROANOKE/CHAUS MT	AB4EM	223.34	224.94	*	
SINGERS GLEN	K4SAD	223.22	224.82	M	MC
STAUNTON	N4RAG	223.14	224.74	*	
STERLING	WD4KHP	222.12	223.72	M	M
TYSONS CORNER	WD4KHP	222.82	224.42	M	MT
TYSONS CORNER	WD4KHP	223.12	224.72	M	M
VIENNA	K4HTA	222.34	223.94	M	M
VIRGINIA BEACH	N4WQJ	223.14	224.74	*	
WOODBRIDGE	WB4GJZ	223.18	224.78	M	M

440 MHZ

ALEXANDRIA	WA9GVK	426.25	439.25	M	MV
ALEXANDRIA	WA9GVK	426.25	911.25	M	MVL
ALEXANDRIA	W4HFH	449.60	444.60	M	M
ALTAVISTA	WA4ISI	449.425	444.425	*	BELP
ARLINGTON	KA4DCS	444.875	449.875	M	M
ARLINGTON	KI4MB	449.15	444.15	M	M
BEDFD/APL ORCH	WB4DBB	449.35	444.35	*	L
BIG ''A'' MTN	KB4WTP	449.875	444.875	*	
BLUEFIELD	W8MOP	449.45	444.45	*	C
BLUEFIELD	WZ8E	449.625	444.625	N	PL
BLUEMONT	WA4TSC	444.925	449.925	M	M
CHANTILLY	K4HTA	443.375	448.375	M	MC
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	*	
CHESAPEAKE	K4NDH	448.80	443.80	N	P
CHESAPEAKE	N4EVG	448.90	443.90	N	PE
COLLINSVILLE	KN4DE	449.575	444.575	N	T103.5
COVINGTON	WA4HTI	447.25	442.25	*	O
DANVILLE	KD4OMC	449.40	444.40	*	BR
ENON	WA4ECM	449.20	444.20	*	R
FAIRFAX	WD4KHP	444.775	449.775	M	MCL
FALLS CHURCH	N4EFK	449.30	444.30	M	M
FALLS CHURCH	K8ZOA	449.45	444.45	M	ML
FANCY GAP	N4OWU	449.375	444.375	*	T107.2
FANCY GAP	AC4CD	449.90	444.90	N	
FOREST	W8CXD	448.60	443.60	*	O
FOREST	WD4KQI	449.75	444.75	*	A
GASBURG	WA4HMT	447.00	442.00	*	C
GATE CITY	N4WWB	449.70	444.70	N	L
GREAT FALLS	N3AVA	449.05	444.05	M	M
GREENBAY	K4ARO	448.175	443.175	N	
GUM SPRING	KB4MIC	447.80	442.80	*	
HAMPTON	K4UMI	448.65	443.65	N	
HAMPTON	K4OGT	449.55	444.55	*	EPT167.9
INDEPENDNCE HILL.	AA4VA	448.80	443.80	M	M
LEXNGTN/ROCK MT.	KI4ZR	449.15	444.15	*	
LORTON	WD4KHP	444.725	449.725	M	ML
LYNCHBG/JACK MT.	KF4YI	447.40	442.40	N	P
LYNCHBURG	K4HEX	426.25	923.25	*	V
LYNCHBURG	WA1ZMS	447.65	442.65	*	BLT100.0
LYNCHBURG	AB4FU	447.95	442.95	*	PT
LYNCHBURG/TOBRMT	K4HEX	449.50	444.50	*	R
MADISON	N8HON	449.40	444.40	M	MBL
MANASSAS	WD4JCE	444.225	449.225	M	ML
MT. VERNON	WA5ZAI	449.50	444.50	M	M
NORFOLK	WD4MIZ	449.675	444.675	*	B
NORTON/HIGH KNOB	WA4NDQ	449.85	444.85	*	BLRT
OILVILLE	KB4MIC	449.80	444.80	*	P
#ONEIDA PEAK/BLF	WZ8E	448.625	443.625	N	UNCOORD.
PEARISBURG	N4AZJ	449.975	444.975	*	T103.5
PETERSBURG	WB4KZI	448.825	443.825	*	
PETERSBURG	K4ARO	449.40	444.40	N	T
PORTSMOUTH	KK4SN	449.00	444.00	*	AE
POWHATAN	KD4ADW	448.10	443.10	N	P
RICHMOND	KC4VDZ	447.30	442.30	N	
RICHMOND	WA4ZBE	447.55	442.55	*	
RICHMOND	N4LFU	448.35	443.35	*	
RICHMOND	K4ARO	449.85	444.85	N	
RICHMOND-ASHLAND	K4ARO	449.65	444.65	N	
ROANOKE	KA4YUY	447.175	442.175	*	
#ROANOKE AIRPORT	KD4EG	448.75	443.75	N	UNCOORD.
ROANOKE/POOR MT	W4CA	447.50	442.50	*	BEP
ROANOKE/POOR MT.	N4FHL	426.25	439.25	N	V
ROANOKE/POOR MT.	N4VG	447.70	442.70	*	
ROANOKE/POOR MT.	WB8BON	448.65	443.65	*	C
ROANOKE/TINKER M	WB8BON	449.925	444.925	*	B
SINGERS GLEN	K4SAD	449.60	444.60	M	MC
SMITHFIELD	N3ELM	448.55	443.55	*	BLPT100.0
SOUTH BOSTON	AB4YR	448.925	443.925	*	
SPRINGFIELD	WD4KHP	444.825	449.825	M	MT
STAFFORD	KB4OB	448.85	443.85	N	MBP
STAUNTON	WA4ZBP	449.825	444.825	*	
STAUNTON	W4WRN	449.95	444.95	N	
STAUNTON/EL KNOB	WD4FOZ	449.10	444.10	*	T131.8
STERLING	WA4TXE	447.10	442.10	M	MLP
STERLING	WA4TXE	447.20	442.20	M	M
STUART/SPOON MTN	WA4WTB	449.175	444.175	*	RT107.2
STUARTS DRAFT	KB4OLM	449.05	444.05	*	BELP
THE PENTAGON	K4AF	449.55	444.55	N	MT
TYSONS CORNER	KM4FI	448.50	443.50	M	M
TYSONS CORNER	K4JYF	449.75	444.75	M	M
VIENNA	N4KOU	449.85	444.85	N	M
VIRGINIA BEACH	WA4KXV	449.95	444.95	*	E
WAYNESBORO	KA5NOJ	439.25	426.25	*	O
WAYNESBORO	WA4EZA	449.20	444.20	*	BT141.3
WHITETOP MTN	KM4X	448.00	443.00	*	BT103.5
WILLIAMSBURG	W4NTG	448.95	443.95	*	O

MORE VIRGINIA REPEATERS

WILLIAMSBURG	WB5LFS	449.10	444.10	*	BT
WILLIS	W4DUM	448.875	443.875	N	BT
WINCHESTER	NB3O	444.175	449.175	M	M
WINCHESTER	W3CSG	447.00	442.00	M	M
WOODBRIDGE	KA4DCS	444.875	449.875	M	M
WOODBRIDGE	N4LJZ	448.10	443.10	N	M
WOODBRIDGE	WB4FQR	449.90	444.90	M	M
WOODFORD	WA4SDE	443.975	448.975	M	M
WYTHE/WALKER MTN	WB3T	447.00	442.00	*	ABLRT103.5
WYTHEVILLE/SAND..	WB3T	449.325	444.325	*	

920 MHZ

ALEXANDRIA	WA4CCF	907.60	919.60	M	M
FOREST	KB4OSI	909.00	921.00	*	
LYNCHBURG	WA1ZMS	909.10	921.10	*	
ROANOKE	KM4TT	908.90	920.90	*	P

1270 MHZ

ALEXANDRIA	WA4CCF	270.60	282.60	M	M
LYNCHBURG	WA1ZMS	271.10	291.10	*	BLT100.0
MCLEAN	K6LEW	272.10	292.10	N	M
ROANOKE/POOR MTN	WB4DBB	271.02	291.02	*	
TYSONS CORNER	WR4S	272.00	292.00	M	MB

WEST VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

BECKLEY/BOLT	KA8OTX	29.52	29.62	*	
BERKELEY SPRINGS ..	KK3L	29.52	29.62	M	ML
#CHARLESTON	WB8CQV	29.54	29.64	N	UNCOORD.

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	N	
MARMET/CHARLESTO	N8PEI	52.75	53.75	N	B
#ST ALBAN/COAL MW	D8JKA	52.03	53.63	N	UNCOORD.

2 METERS

AMBER RIDGE	KB8NJH	147.81	147.21	N	B
BARBOURSVILLE	KB8EHJ	146.46	441.00	*	L
BECKLEY/BOLT	N8FRV	144.57	145.17	*	AL
BECKLEY/EOC	KD8VS	144.77	145.37	N	A
BECKLEY/FLAT TOP..	WA8WDK	146.25	146.85	N	L
BECKLEY/LAYLAND.	WF1G	144.71	145.31	*	AL
BERKELEY SPRINGS ..	KK3L	144.990	29.620	M	ML
BERKELEY SPRINGS ..	KK3L	146.145	146.745	M	MB
BLUEFIELD	W8MOP	144.89	145.49	N	P
BRIDGEPORT	WB8DKM	147.72	147.12	*	PT
BUCKHANNON	N8FHE	144.53	145.13	*	AL
BUCKHANNON	N8FHE	144.81	145.41	*	A
BUCKHANNON	WD8L	146.25	146.85	N	B
CHARLES TOWN	N8EIV	146.385	146.985	M	MT-NIGHT
CHARLESTON	WS8L	144.83	145.43	*	P
CHARLESTON	WB8IFS	146.22	146.82	N	AE
CLARKSBURG	KD8TC	146.055	146.655	N	C
CLARKSBURG	N8FMD	146.085	146.685	*	L
CLARKSBURG	N8FMD	147.81	147.21	*	T103.5
#CLARKSBURG	KE8MR	147.915	147.315	N	UNCOORD.
CRAIGSVILLE	N8FMD	144.67	145.27	*	L
ELKINS	KB8BWZ	146.175	146.775	N	
FAIRMONT	W8SP	144.75	145.35	N	C
FLAT TOP/WINTRPL..	WF1G	146.025	146.625	*	A
FRANKLIN	W3RUA	147.945	147.345	*	B
GASSAWAY	WB8MZI	146.01	146.61	N	
GLENVILLE	KA8ZXP	144.69	145.29	N	ABELR
GLENVILLE	KB8EUN	146.235	146.835	N	
GRAFTON	WD8LNB	147.975	147.375	*	
GRANTSVILLE	N8LGY	144.85	145.45	*	PE
HARRISVL/PENSBRO	WB8NSL	147.90	147.30	N	
HINTON	KB8EQC	147.855	147.255	*	AB
HORSEPEN MT	NV8H	147.795	147.195	N	PL
HUNTINGTON	WB8FEQ	144.61	145.21	*	BP
HUNTINGTON	W8VA	146.16	146.76	*	PEL
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	*	ER
LEON	WD8OHX	147.78	147.18	N	BP
LEWISBURG	WA8AVZ	146.13	146.73	*	P
LEWISBURG	WV8D	147.99	147.39	*	
LIBERTY	W8HYX	144.81	145.41	*	
#LOGAN	WA8ZLR	146.09	147.11	N	UNCOORD.
LOGAN/SUMERCO.	NU8K	147.945	147.345	N	PL
LOGAN/WARD RK MT	KJ8E	146.37	146.97	N	PL
MARMET	K8HDB	144.55	145.15	N	
MARTINSBURG	WA8FSE	144.55	145.15	M	MB
MARTINSBURG	WB8YZV	147.855	147.255	M	M
MCMECHEN	N8SAQ	146.31	146.91	*	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	*	BLP
MORGANTOWN	KE8QC	147.675	147.075	*	AELRP
MULLENS/HRNDN MT	KC8IT	147.63	147.03	*	R
NEW MARTINSVILE ..	KF8LL	146.385	146.985	N	AB
OAK HILL	W8OQC	146.19	146.79	*	E
PARKERSBURG	WV8G	144.89	145.49	*	AB
PARKERSBURG	WA8LLM	147.855	147.255	*	AB
PARKERSBURG	WA8CRW	147.99	147.39	*	B
PARKERSBURG (OH)	WA8CRW	146.37	146.97	N	A (OHIO)
PARSONS	KE8QC	144.73	145.33	*	BELRPT
PARSONS	K8VNQ	144.77	145.37	N	T107.2
PRINCETON	KA8PNC	146.46	147.06	*	P
PRINCETON	WB8NRK	147.825	147.225	*	
PRINCETON/PIPEST..	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	*	P
RAVENSWOOD	WD8JNU	146.10	146.70	*	R
RICHWOOD	WB8YJJ	144.59	145.19	*	BT
RICHWOOD	W8FG	144.87	145.47	N	
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT	WC8S	147.87	147.27	*	PEL
SHERRARD	KD8GL	146.115	146.715	*	EPL
SO. CHARLESTON	WB8CQV	146.28	146.88	N	L
SPENCER	WT8Z	147.705	147.105	N	
SPRUCE KNOB	N8HON	147.885	147.285	*	L
ST ALBANS	K8WMX	146.40	147.00	*	B
ST ALBANS	KA8SVR	147.75	147.15	N	BELRP
ST ALBANS	K8WMX	147.975	147.375	*	Y
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
TERRA ALTA	KD8ZR	147.60	147.00	*	AE
UNION	KB8CM	146.085	146.685	N	PR C
UPPER TRACT	KB8BUC	146.055	146.655	*	B
WEIRTON	W8CWO	146.34	146.94	N	ABEP
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	P
WESTON	WC8K	147.765	147.165	N	BR
WHEELING	WB8JGY	144.59	145.19	N	PL
WHEELING	W8ZQ	146.16	146.76	*	B
WILLIAMSON	WR8M	144.73	145.33	*	AR

220 MHZ

CHARLESTON	WB8YST	222.76	224.36	*	BRPT
FLAT TOP/WINTRPL..	WF1G	222.52	224.12	*	A
#LEON	WD8OHX	222.18	223.78	N	UNCOORD.
#WILLIAMSON	WR8M	222.54	224.14	*	UNCOORD.

440 MHZ

ALDERSON	WF1G	449.40	444.40	*	
AUDRA PARK	WD8DEP	449.90	444.40	N	
BECKLEY/BOLT	AA8BS	447.30	442.30	*	RB
BECKLEY/KINGSTON	WF1G	449.80	444.80	*	R
BLUEFIELD	W8MOP	449.45	444.45	*	ER
BUCKHANNON	N8FHE	448.10	443.10	*	L
BUCKHANNON	WV8Y	449.50	444.50	N	BR
CHARLESTON	KB4BNW	449.75	444.75	N	
CLARKSBURG	N8FMD	449.175	444.175	*	T103.5
GLENVILLE	KA8ZXP	449.325	444.325	N	
#HUNTINGTON	W8VA	447.60	442.60	*	UNCOORD.
HUNTINGTON	WB8EZR	448.00	443.00	*	
KEENY MTN	KF8FO	449.725	444.725	*	
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	*	BLP
MULLENS/HRNDN MT	KC8IT	449.00	444.00	*	LR
PARKERSBURG	WV8G	449.775	444.775	*	BC
SO. CHARLESTON	WB8CQV	449.95	444.95	N	RL
ST. ALBANS	K8MHR	448.15	443.15	*	BELP
WESTON	N8FIP	448.975	443.975	N	BR
WESTON	WC8K	449.60	444.60	N	C

SERA Full Repeater Membership Application

Be sure to list 2 persons as representatives. ONLY these two will be represent SERA and receive the Repeater Journal. MAIL CHECK AND APPL. TO: SERA MEMBERSHIP, PO BOX 215, TOBACCOVILLE, N.C. 27050. FEE: $7.50 FOR REST OF 1993.

	CITY/MTN. ETC. (MAX 14 CHAR)	RPTR CALLSIGN	INPUT FREQ.	OUTPUT FREQ.
REP. #1				
REP. #2				
REP. #3				
REP. #4				

USE AS MANY LINES ABOVE AS YOU HAVE REPEATERS. IF MORE SPACE NEEDED, USE SEPARATE SHEET OF PAPER.

Name Two Persons Who Will Represent SERA as Full Members. Each Will Receive the Repeater Journal.

NAME________________________CALL__________ NAME________________________CALL__________

ADDRESS______________________________ ADDRESS______________________________

CITY________________STATE_____ZIP_______ CITY________________STATE_____ZIP_______

PHONE: (   )__________________ PHONE: (   )__________________

ARRL MEMBER: (   ) YES (   ) NO ARRL MEMBER: (   ) YES (   ) NO

FULL MEMBERSHIP: (   ) NEW (   ) RENEWAL - FEE IS ENCLOSED- AMOUNT : $__________

REPEATER IS SPONSORED BY: (Name of Club or owner)______________________________

REPEATER TRUSTEE'S NAME: ______________________________CALL__________

SERA IS THE OFFICIAL COORDINATOR FOR: NC, SC, VA, TN, KY, TN, GA, MS.

VHF/UHF FREQUENCY UTILIZATION PLANS

SouthEastern Repeater Association, Inc. (VA., NC., WV., KY., TN., SC., GA., MS.)

2-METERS (144-148 MHZ)

SERA 2-Meter Frequency Utilization Plan

144.000 - 144.050	EME(CW) (50 Khz)
144.050 - 144.060	Propagation Beacon (10 Khz)
144.060 - 144.100	CW & Weak Signals (40 Khz)
144.100 - 144.200	EME & Weak Signals (100 Khz)
144.200	SSB National Calling Frequency
144.200 - 144.300	General SSB (100 Khz)
144.300 - 144.500	OSCAR Sub-band (200 Khz)
144.510 - 144.890	FM Repeater Inputs (380 Khz)
144.900 - 145.000	Weak Signals/FM Simplex (10 Khz)
145.000 - 145.100	Packet Operation (100 Khz)
145.110 - 145.490	FM Repeater Outputs (380 Khz)
145.500 - 145.800	Misc. Experimental Modes (300 Khz)
145.800 - 146.000	OSCAR Sub-bands (200 Khz)
146.010 - 146.505	FM Repeater Inputs (495 Khz)
146.400 - 146.595	FM Simplex (195 Khz)
146.610 - 147.390	FM Repeater Outputs (780 Khz)
147.405 - 147.495	FM Repeater Inputs (90 Khz)
147.510 - 147.585	FM Simplex (75 Khz)
147.600 - 147.990	FM Repeater Inputs (390 Khz)

SERA 2-Meter Repeater Subband 144.1-145.5 Mhz

(20 Repeater Pairs) 20 khz. spacing between channels (600 khz In/out)

144.51 - 145.11
144.53 - 145.13
144.55 - 145.15
144.57 - 145.17
144.59 - 145.19
144.61 - 145.21
144.63 - 145.23
144.65 - 145.25
144.67 - 145.27
144.69 - 145.29
144.71 - 145.31
144.73 - 145.33
144,75 - 145.35
144.77 - 145.37
144.79 - 145.39
144.81 - 145.41
144.83 - 145.43
144.85 - 145.45
144.87 - 145.47
144.89 - 145.49

SERA 2-Meter Standard Repeater Band 146-148 Mhz

(68 Repeater pairs) 15 khz. spacing between channels (600 Khz In/out)

146.010 - 146.610
146.025 - 146.625
146.040 - 146.640
146.055 - 146.655
146.070 - 146.670
146.085 - 146.685
146.100 - 146.700
146.115 - 146.715
146.130 - 146.730
146.145 - 146.745
146.160 - 146.760
146.175 - 146.775
146.190 - 146.790
146.205 - 146.805
146.220 - 146.820
146.235 - 146.835
146.250 - 146.850
146.265 - 146.865
146.280 - 146.880
146.295 - 146.895
146.310 - 146.910
146.325 - 146.925
146.340 - 146.940
146.355 - 146.955
146.370 - 146.970
146.385 - 146.985
146.400 - 147.000
146.415 - 147.015
146.430 - 147.030
146.445 - 147.045
146.460 - 147.060
146.475 - 147.075
146.490 - 147.090
146.505 - 147.105
147.405 - 146.805
147.420 - 146.820
147.435 - 146.835
147.450 - 146.850
147.465 - 146.865
147.480 - 146.880
147.495 - 146.895
147.600 - 147.000
147.615 - 147.015
147.630 - 147.030
147.645 - 147.045
147.660 - 147.060
147.675 - 147.075
147.690 - 147.090
147.705 - 147.105
147.720 - 147.120
147.735 - 147.135
147.750 - 147.150
147.765 - 147.165
147.780 - 147.180
147.795 - 147.195
147.810 - 147.210
147.825 - 147.225
147.840 - 147.240
147.855 - 147.255
147.870 - 147.270
147.885 - 147.285
147.900 - 147.300
147.915 - 147.315
147.930 - 147.330
147.945 - 147.345
147.960 - 147.360
147.975 - 147.375
147.990 - 147.390

2-Meter Digital/Packet Simplex Frequencies

144.91 144.93 144.95 144.97 144.99 145.01 145.03 145.05 145.07
145.09 145.51 145.53 145.55 145.57 145.59 145.61 145.63 145.65
145.67 145.69 145.71 145.73 145.75 145.77 145.79

2-Meter FM Voice Simplex Frequencies

146.40* 146.415* 146.43* 146.445* 146.46* 146.475* 146.49* 146.505*
146.52 146.535 146.55 146.565 146.58 146.595 147.405* 147.42*
147.435* 147.45* 147.465* 147.48* 147.495* 147.51 147.525 147.54
147.555 147.57 147.585

*Permitted unless would cause interference to repeater inputs - be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.

70-CENTIMETERS (420-450 MHZ)

70-Centimeter - 440 MHZ Frequency Utilitization Plan

420.00 - 426.00	ATV Repeater w/421.25 Video, Control Links, Experimental.
426.00 - 430.00	ATV Simplex w/426.25 Video Car.
430.00 - 431.00	Digital/Packet
432.00 - 432.07	EME
432.07 - 432.08	Propagation Beacons
432.08 - 432.10	Weak Signal CW
432.10	Calling Frequency
432.10 - 432.125	Mixed/Weak Signal
432.125 - 432.175	OSCAR Inputs
432.175 - 433.00	Mixed/Weak Signal
433.00 - 435.00	Auxilary/Repeater Links
435.00 - 438.00	International Satellite
438.00 - 442.00	Expansion
442.00 - 444.975	Repeater Outputs
445.00 - 447.00	Aux/Control Links, Simplex
446.00	National Simplex Frequency
447.00 - 449.975	Repeater Inputs

70-Centimeter Repeater Pairs 447.000-449.975 Mhz

(120 Channels) 25 khz spacing between channels (5 mhz In/out)

447.000 - 442.000
447.025 - 442.025
447.050 - 442.050
447.075 - 442.075
447.100 - 442.100
447.125 - 442.125
447.150 - 442.150
447.175 - 442.175
447.200 - 442.200
447.225 - 442.225
447.250 - 442.250
447.275 - 442.275
447.300 - 442.300
447.325 - 442.325
447.350 - 442.350
447.375 - 442.375
447.400 - 442.400
447.425 - 442.425
447.450 - 442.450
447.475 - 442.475
447.500 - 442.500
447.525 - 442.525
447.550 - 442.550
447.575 - 442.575
447.600 - 442.600
447.625 - 442.625
447.650 - 442.650
447.675 - 442.675
447.700 - 442.700
447.725 - 442.725
447.750 - 442.750
447.775 - 442.775
447.800 - 442.800
447.825 - 442.825
447.850 - 442.850
447.875 - 442.875
447.900 - 442.900
447.925 - 442.925
447.950 - 442.950
447.975 - 442.975
448.000 - 443.000
448.025 - 443.025
448.050 - 443.050
448.075 - 443.075
448.100 - 443.100
448.125 - 443.125
448.150 - 443.150
448.175 - 443.175
448.200 - 443.200
448.225 - 443.225
448.250 - 443.250
448.275 - 443.275
448.300 - 443.300
448.325 - 443.325
448.350 - 443.350
448.375 - 443.375
448.400 - 443.400
448.425 - 443.425
448.450 - 443.450
448.475 - 448.475
448.500 - 443.500
448.525 - 443.525
448.550 - 443.550
448.575 - 443.575
448.600 - 443.600
448.625 - 443.625
448.650 - 443.650
448.675 - 443.675
448.700 - 443.700
448.725 - 443.725
448.750 - 433.750
448.775 - 443.775
448.800 - 443.800
448.825 - 443.825
448.850 - 443.850
448.875 - 443.875
448.900 - 443.900
448.925 - 443.925
448.950 - 443.950
448.975 - 443.975
449.000 - 444.000
449.025 - 444.025
449.050 - 444.050
449.075 - 444.075
449.100 - 444.100
449.125 - 444.125
449.150 - 444.150
449.175 - 444.175
449.200 - 444.200
449.225 - 444.225
449.250 - 444.250
449.275 - 444.275
449.300 - 444.300
449.325 - 444.325
449.350 - 444.350
449.375 - 444.375
449.400 - 444.400
449.425 - 444.425
449.450 - 444.450
449.475 - 444.475
449.500 - 444.500
449.525 - 444.525
449.550 - 444.550
449.575 - 444.575
449.600 - 444.600
449.625 - 444.625
449.650 - 444.650
449.675 - 444.675
449.700 - 444.700
449.725 - 444.725
449.750 - 444.750
449.775 - 444.775
449.800 - 444.800
449.825 - 444.825
449.850 - 444.850
449.875 - 444.875
449.900 - 444.900
449.925 - 444.925
449.950 - 444.950
449.975 - 444.975

70-Centimeter Voice FM Simplex Frequencies

445.825 445.850 445.875 445.900 445.925 445.950 445.975
446.000 446.025 446.050 446.075 446.100 446.125 446.150
Additional simplex frequencies every 25 KHz up to 446.975 may also be used.

70-Centimeter Digital/Packet Simplex Frequencies

430.05 430.15 430.25 430.35 430.45 430.55 430.65 430.85 430.95
440.975 441.00 441.025 441.05 441.075

Note: 430.75 mhz is reserved for ATV Audio Channel

10-METER FM (29.3-29.68 MHZ.)

29.300 - 29.500	OSCAR (satellites) (200 Khz)
29.520 - 29.580	Repeater Inputs (600 Khz)
29.600	Simplex
29.620 - 29.680	Repeater Outputs (600 Khz)

10M Repeater Pairs (100 Khz In/out) (20 Khz Chan. Spacing)

29.520 - 29.620
29.540 - 29.640
29.56 - 29.66
29.58 - 29.68

VHF/UHF FREQUENCY UTILIZATION PLANS

SouthEastern Repeater Association, Inc. (VA. NC. WV. KY. TN. SC. GA. MS.)

1.25-METERS (222.00-225.00 MHZ.)

SERA 220 MHZ Frequency Utilization Plan

222.00 - 222.05	EME - (Earth/Moon/Earth) (50 Khz)
222.05 - 222.06	Propagation Beacons (10 Khz)
222.06 - 222.10	Weak Signal CW/Experimental (40 Khz)
222.10 -	CW/SSB Calling Frequency
222.10 - 222.20	Weak Signal CW/SSB (100 Khz)
222.20 - 222.35	Repeater Control/Link Frequencies (150 Khz)
222.35 - 222.45	Hi Speed Digital with 222.40 Center (100 Khz)
222.45 - 222.46	Propogation Beacons (10 Khz)
222.46 - 222.49	EME/Weak Signal/Experimental (30 Khz)
222.49 - 222.50	Guard Channel (10 Khz)
222.50 - 223.38	Repeater Inputs (20 Khz Channel Spacing)
223.38 - 223.42	Guard Channel (10 Khz)
223.42 - 223.64	FM Simplex (Voice or Digital) (220 Khz)
223.64 - 223.66	Guard Channel (10 Khz)
223.66 - 223.78	Digital Channels 20 khz spaced (120 Khz)
223.78 - 223.80	Guard Channel (10 Khz)
223.80 - 223.90	Hi Speed Digital with 223.85 Center (100 Khz)
223.90 - 223.92	Guard Channel (10 Khz)
223.92 - 224.98	FM Repeater Outputs (45 Channels)
224.98 - 225.00	Guard Channel (10 Khz)

220 MHZ Repeater Pairs 222.50-224.98 MHz

(45 Repeater Pairs) 20 khz. spacing between channels (1.6 MHz In/out)

222.50 - 224.10	222.74 - 224.34	222.96 - 224.56	223.18 - 224.78
222.52 - 224.12	222.76 - 224.36	222.98 - 224.58	223.20 - 224.80
222.54 - 224.14	222.78 - 224.38	223.00 - 224.60	223.22 - 224.82
222.56 - 224.16	222.80 - 224.40	223.02 - 224.62	223.24 - 224.84
222.58 - 224.18	222.82 - 224.42	223.04 - 224.64	223.26 - 224.86
222.60 - 224.20	222.84 - 224.44	223.06 - 224.66	223.28 - 224.88
222.62 - 224.22	222.86 - 224.46	223.08 - 224.68	223.30 - 224.90
222.64 - 224.24	222.88 - 224.48	223.10 - 224.70	223.32 - 224.92
222.66 - 224.26	222.90 - 224.50	223.12 - 224.72	223.34 - 224.94
222.68 - 224.28	222.92 - 224.52	223.14 - 224.74	223.36 - 224.96
222.70 - 224.30	222.94 - 224.54	223.16 - 224.76	223.38 - 224.98
222.72 - 224.32			

220 Mhz. FM Simplex Frequencies

223.42 223.44 223.46 223.48 223.50 223.52 223.54 223.56
223.58 223.60 223.62 223.64 223.80 223.82 223.84 223.86
223.88 223.90

220 Mhz. Packet/Digital Simplex Frequencies

223.66 223.68 223.70 223.72 223.74 223.76 223.78

Hi-Speed Digital Channels (100 Khz. Wide)

222.35 - 222.45 (With 222.40 Center) AND 223.80 - 223.90 (With 223.85 Center)

1.2 GHZ (1240-1300 MHZ)

NOTE: This is the ARRL recommended 1.2 GHz. Bandplan, SERA has not completed work on our own individual proposal for this spectrum. 6/6/93

1240.00 - 1246.00	ATV #1
1246.00 - 1248.00	NB FM point to point links and digital duplex.
1248.00 - 1258.00	Digital communications
1252.00 - 1258.00	ATV #2
1258.00 - 1260.00	NB FM point to point links and digital duplex.
1260.00 - 1270.00	Satellite uplinks, experimental simplex ATV
1270.00 - 1276.00	Repeater inputs, FM and linear, 239 pairs, every 25 khz.
1271.00 - 1283.00	Non Coordinated test pair
1276.00 - 1282.00	ATV #3
1282.00 - 1288.00	Repeater outputs paired with 1270-1276.
1288.00 - 1294.00	WB experimental, simplex ATV
1294.00 - 1295.00	NB FM simplex, 25 khz channels
1294.50	National simplex calling
1295.00 - 1297.00	NB weak signal (No FM)
1295.00 - 1295.80	SSTV, FAX, ACSSB experimental
1295.00 - 1296.00	Reserved for EME, CW expansion
1296.00 - 1296.05	EME Exclusive
1296.07 - 1296.08	CW Beacons
1296.10	CW/SSB Calling frequency
1296.40 - 1296.60	Crossband linear translator output
1296.80 - 1297.00	Experimental Beacons (exclusive)
1297.00 - 1300.00	Digital Communications

6-METERS (50-54 MHZ)

SERA 6 Meter Frequency Utilization Plan

50.000 - 50.100	CW and Beacons
50.060 - 50.080	Auto Contr.Beacons
50.100 - 50.600	SSB & AM
50.110	SSB DX Calling Frequency
50.200	SSB National Calling Frequency
50.400	AM Calling Frequency
50.600 - 51.000	Experimental/Special Modes
50.700	RTTY Calling Frequency
50.800 - 50.980	R/C Model Radio Control
51.000 - 51.100	Pacific DX Window
51.100 - 52.000	FM Simplex
52.000 - 52.050	Pacific DX Window
52.000 - 54.000	FM Repeater and Simplex

6-meter Repeater Pairs 52.01-53.99 MHz

(47 Repeater Pairs) 20 khz spacing between channels (1 Mhz in/out)

52.01 - 53.01	52.33 - 53.33	52.71 - 53.71
52.03 - 53.03	52.35 - 53.35	52.73 - 53.73
52.05 - 53.05	52.37 - 53.37	52.75 - 53.75
52.07 - 53.07	52.39 - 53.39	52.77 - 53.77
52.09 - 53.09	52.41 - 53.41	52.79 - 53.79
52.11 - 53.11	52.43 - 53.43	52.81 - 53.81
52.13 - 53.13	52.45 - 53.45	52.83 - 53.83
52.15 - 53.15	52.47 - 53.47	52.85 - 53.85
52.17 - 53.17	52.55 - 53.55	52.87 - 53.87
52.19 - 53.19	52.57 - 53.57	52.89 - 53.89
52.21 - 53.21	52.59 - 53.59	52.91 - 53.91
52.23 - 53.23	52.61 - 53.61	52.93 - 53.93
52.25 - 53.25	52.63 - 53.63	52.95 - 53.95
52.27 - 53.27	52.65 - 53.65	52.97 - 53.97
52.29 - 53.29	52.67 - 53.67	52.99 - 53.99
52.31 - 53.31	52.69 - 53.69	

6 Meter FM Simplex Frequencies

52.49 52.51 52.525

33 CENTIMETERS (902-928 MHZ)

SERA 33 cm Frequency Utilization Plan

902.00 - 902.80	SSTV, FAX, ACSSB, Experimental
902.80 - 903.00	Reserved - EME CW Expansion
903.00 - 903.05	EME Exclusive
903.07 - 903.08	CW Beacons
903.10	CW, SSB Calling Frequency
903.40 - 903.60	Cross band linear translator inputs
903.60 - 903.80	Cross band linear translator outputs
903.80 - 904.00	Experimental Beacons Exclusive
904.00 - 906.00	Digital Communications
906.00 - 907.00	Narrow band FM Simlpex (25 khz channels)
906.50	National Calling Frequency
907.00 - 910.00	FM Repeater Inputs
910.00 - 916.00	ATV
916.00 - 918.00	Digital Communications
918.00 - 919.00	Narrow band FM Control links/Remote bases
919.00 - 922.00	FM Repeater Outputs
922.00 - 928.00	Wide band experimental, ATV, Simplex spread spectrum

SERA 33 cm FM Repeater Pairs 907.1-921.90 MHz

(29 Repeater Pairs) 100 khz spacing between channels (12 MHz In/out)

(Note: SERA will coordinate the 33 cm band repeater pairs with 100 khz spacing between channels until all pairs are used, then 50 khz and finally 25 khz split channel spacing will be utilized in the future as required.

907.10 - 919.10	908.10 - 920.10	909.10 - 921.10
907.20 - 919.20	908.20 - 920.20	909.20 - 921.20
907.30 - 919.30	908.30 - 920.30	909.30 - 921.30
907.40 - 919.40	908.40 - 920.40	909.40 - 921.40
907.50 - 919.50	908.50 - 920.50	909.50 - 921.50
907.60 - 919.60	908.60 - 920.60	909.60 - 921.60
907.70 - 919.70	908.70 - 920.70	909.70 - 921.70
907.80 - 919.80	908.80 - 920.80	909.80 - 921.80
907.90 - 919.90	908.90 - 920.90	909.90 - 921.90
908.00 - 920.00	909.00 - 921.00	

MISSISSIPPI NEWS

-by Steve Grantham, N5DWU

Send News To: P.O. Box 127, Ellisville, MS 39437

The Monticello repeater, operated by Rusty O'Neal, is on the air. N4JHK repeater operates with an output on 147.015 MHz. The machine is located on O'Neil's FM broadcast tower, and covers a portion of Mississippi along I-55 near Brookhaven. O'Neal thanks all those who helped, including the Prentiss group and WB5UNA.

* * * * *

The East Central Mississippi ARC repeater, N5SPJ on 147.21, is located at Union. The repeater is open, and a Sunday night net takes place at 8:30 p.m. on the frequency. Donald Loper, N5SPJ, says the repeater will operate carrier squelch, but will use 100 Hz. tone squelch if necessary. The group plans to add a phone patch in the future.

* * * * *

Jimmy Ready, N5LRQ, has installed a new repeater on the Cellular One tower at Collins. The repeater is a GE MASTR. It has been operating experimentally on Ready's coordinated Petal frequency of 147.135. The Collins machine will be moving to the newly coordinated 146.985 frequency. Ready also has a repeater on 443.55 on the Cellular One tower at Hattiesburg.

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Memphis, TN 38118
(901) 365-6621 / 368-6781

The Pine Belt Repeater Association has secured a site for it's Hattiesburg repeater. Work is in progress, with a custom portable bulding under contruction by W4KGJ, N5ILU, and friends. A two-meter repeater and dedicated link equipment will be installed to extend the PBRA's existing Gulfport/Wiggins link system to Hattiesburg. N5LRQ will be the trustee of the new machine. The PBRA holds a net on the system at 8:00 p.m. every night except Saturday. If you have traffic, want to know when and where exams are being held, or need other information, then tune in and check in. The net is joined by several remote repeater systems, and covers most of Mississippi south of I-20.

* * * * *

The Waynesboro repeater, KI5WK on 147.105, has been down for transmitter repairs. Jim Raines, KI5WK, says the repeater and remote base should be back on the air soon. The repeater, when operating optimally, has excellent coverage over several counties in Mississippi and Alabama. Raines, who is also putting up a UHF machine, says, "This repeater stuff isn't as easy as everybody thinks. The logistics for continous operation are tremendous."

* * * * *

Central Mississippi Hams have an excellent repeater at their disposal thanks to Bob Leathers, N5RMZ. The Sharon repeater, N5RMZ, is on 145.45. The machine, at over 500-feet above average terrain, covers part of I-55 north, the Natchez Trace, and I-20 east of the Jackson-Metro area. Since mobile range is about 45 miles, motoring hams will have the opportunity to enjoy real southern hospitality for hours. The repeater is open and carrier activated.

* * * * *

The 17th annual Biloxi Ham/Swapfest is October 2nd and 3rd. Sponsored by the Mississippi Coast ARA, the event will be held at the Mississippi Coast Coliseum and Convention Center. A talk-in station will operate on 146.73 and 147.375. VE testing will be available on both days. You may contact Stan Hecker at (601) 875-0222 for VE testing information. The Coast ARES net meets each Wednesday at 8:00 p.m. on the MCARA 146.73 repeater. The CARES net features Newsline.

* * * * *

Finally, this news column is a forum for Mississippi repeater owners and users. Please help extend the forum to more of our peers by promoting full and associate membership in SERA. Membership forms, located elsewhere in this issue, may be easily duplicated for your friends and repeater users.

* * * * *

If you would like to contribute news to this column, or even help write it, please contact me at the address listed above. The next Repeater Journal, November issue deadline for me is the first of October. Please try to get your information to me by the first of September, so I will have time to compile it and get it in to the Editors by October 1.

Steve Grantham COVERS Mississippi, Every Issue - Every Quarter in the Repeater Journal. Tell Your MS Friends to Get the Journal and know the news!

WEST VIRGINIA NOTES

-by Ted Wolfe, WD4KHL

Send News To: P.O. Box 133, Cabin Creek, WV 25035

After I mailed off the copy for the May issue of the Journal I received the Spring 1993 issue of the East River Amateur Radio Club's newsletter, "Current." It arrived about April 10th in the mail.

Mark Williams, KJ4QQ, and the other writers featured in that issue (KA8BXS, WJ8U, KD4IYJ, N8OLT, KD4IFE and WW8D -- all had signed articles) did a fine job. Mark outlined the adventures of his ham group on their blizzard marred visit to Charlotte in March. He also writes the "Digital Dimension" feature, and wrote up the ROSE switch for those operators still unfamiliar with its use.

And as of 3/15/93 ERARC's membership stood at 141 members.

* * * * *

The Charleston, WV, hamfest was held on Sunday, Apr 4. Sponsors had expanded the event into a second hall thereby eliminating the aisle congestion of previous years. With space doubled there was room for more dealers or flea marketeers. Unfortunately, no computer dealers showed up this year. That was the major disappointment of that hamfest.

The VEC team this year operated on a walk-in basis for the first time. Eighty eight individuals were tested. Examiners administered 133 elements. Sixteen passed the no-code Tech; 14 passed the Tech plus; 1 General, 1 Advanced, and 2 completed the Extra class exams. KARC exprssed its thanks to the examiners who put in such long hours. They were W8NR, AC8K, W8AH, W8KRA, K8BS, NB8M, W8JDF, W8NA, WA8FLF, WV8V AND WD8V.

* * * * *

Tom Holton, W8YP, was presented with the Kanawha ARC's first Kanawha Valley Amateur of the Year award, complete with plaque.

And the club newsletter, "Splatter," received a membership application from its first Canadian, Weldon Cromwell, VE3ILN of Scarboro, Ontario. The application was initiated after QSOs betwen Weldon and Olie, WD8V.

Among those passing his Novice and Technician test elements, according to Randy (WA8IWZ), who conducted recent class sessions, was Michael P. Morris--who is now working on his 20-wpm code.

Michael is 10 or 11 years old--Randy wasn't sure exactly. But the idea, he said, is to "get new hams while they are young!." Michael's mother attended the class and was working toward her license, too. Maybe next time we can report further on them.

Doug Sweeney, N8AJC, has replaced Bill Pace, KB8AM, as Emergency Coordinator for Kanawha County. Bill spent 13 years in the position.

Our somewhat belated condolances to club president, Hal Turley, KC8FS, on the recent death of his father. I saw the obituary in the paper but failed to make a connection with Hal.

* * * * *

During the Spring break the Late Night High Wind Smokeblowers Net on 7.15 Mhz each night at 11:30 welcomed the nightly participation of several young hams in the area. Among the teenagers were Seth, KB8OKH, 14, 7th grade at DuPont Junior High School; Wes, KB8LQU, 10th grade, Hurricane High; Mike, KB8LYL, Hurricane High; and "A. C.," N8VPV, age 14, 8th grade (didn't get the school). I hope I didn't forget anyone! After Spring break and until school was out for the year we only expected to hear from them on weekends.

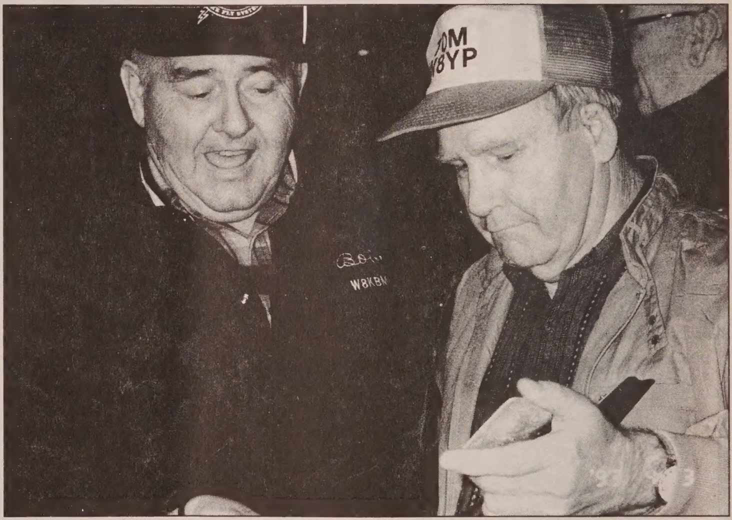
But shortly thereafter the 147.150 repeater went silent, and as of deadline was still off the air and surely missed by a lot of us who are nightowls. With school out and summer upon us the teenagers are using several other repeaters, including--I am told--145.43 and 147.27.

* * * * *

Sam Moore, W8NCD, and I again travelled jointly--but in separate vehicles--to Wheeling for the hamfest there on Sunday, May 16. I got an earlier start on Saturday than Sam did. Last year going North out of Parkersburg I had travelled on the West Virginia side of the Ohio River, generally up West Virginia route 2. This year I opted to cross the Ohio at Parkersburg and follow Ohio route 7 to Wheeling.

I had gone a day earlier since Ralph McDonough, K8AN, editor of the Triple States Radio Amateur Club's Amateur Radio News Letter, had invited me to attend a night-before dinner. TSRAC is sponsor of the hamfest and my early arrival allowed me to watch some of the setup work performed by the club's competent personnel Saturday afternoon. Sam and I attended the dinner with Ralph, which included a number of other guests, including a group from the North Carolina TSRAC chapter. As usual I can't locate my notes from the dinner but the June TSRAC ARNL to the rescue! Ralph McDonough keeps better notes so I am referring to his article for names and calls.

Continued on Page 39



Tom Holton, W8YP, on the right, was presented the Kanawha Amateur Radio Club's first Kanawha Valley Amateur of the Year award at the KARC sponsored Hamfest in Charleston on Sun Apr 4. Tom was presented with a plaque to commemorate the award. Show with Tom is Bob, W8KBM, shown on the left. (Photo by W8NCD)

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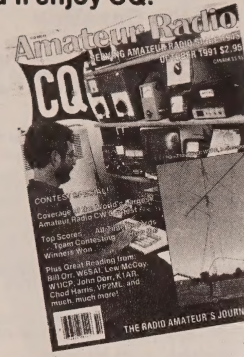
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WEST VIRGINIA NOTES CONTINUED

Sam, W8NCD, and I were there. Representing TSRAC's North Carolina chapter were: Wiley Ayscue, Jr, N4NCK, Butner, NC; J. Curtis Crane, K4CRP, Salisbury, NC; Charles R. Bastow, KB2ETW, Clayton, NJ; Don Freiss, WB4FOK, Salisbury, NC; Ralph K. Brown, WB4AQK; Hobert Wise, KE4S, Salisbury, NC; Walt Bastow, N4KVF, Gold Hill, NC, and Suzanne Bastow, KB4QYP, Gold Hill, NC.

I owe Walt an apology for not contacting him by letter as I promised.

When Sam and I finally arrived after dinner at our motel in nearby Triadelphia I was too tired to do as I thought I might do--attend a performance of the WWVA radio Jamboree. I suppose I could have made the "second show" but that was not to be this year, although I did listen to the event and WWVA for a couple more hours. I haven't been to a live Jamboree performance since back in the mid 70's.

The Hamfest and Computer Fair is all it is billed to be, and seems to me to get better each year. Sam even won one of the consolation prize drawings. We both enjoyed going.

* * * * *

The Jackson County hamfest at Ripley followed on another May weekend but I did not go and did not hear much discussion of the event.

The same, unfortunately, applies to the Bluefield, WV, hamfest which was held on Saturday, June 19. Bill, KB8KPT, from Matewan did indicate he upgraded to General class there.

These comments are not to put down any event. It is just that I write about things I hear on the local repeaters, get from complimentary copies of club newsletters, or information received in the mail or by packet. Give me the information and I can pass it on.

* * * * *

As the West Virginia State ARRL convention and hamfest occurs at Jackson's Mill just after my copy deadline for the August issue I will have to save any info from there for the November issue (the hamfest is July 3-4).

* * * * *

The Mid-Ohio Valley Hamfest at Parkersburg will be on Sunday, Aug 8, about the time this issue goes out in the mail. The Tri-state ARA Hamfest at Huntington will be on the Saturday of that weekend, Aug. 7. TARA was kind enough to send me a copy of their newsletter.

* * * * *

From late correspondence or club newsletters---

Field Day weekend is just over as this is written. I didn't participate anywhere, but I know that a lot of hams in the Kanawha Valley did take part. I am still hearing talk on the repeaters from guys still trying to sort out "what happened to my coax?" or "I found this piece of equipment in my truck and don't know who it belongs to." So it will take a week or so for everyone to locate their particular piece of gear from shared equipment for the outing.

* * * * *

Shown here is the Southern West Virginia ARC's recently equipped communications van. SWVARC is based at Lewisburg, WV, in the Greenbrier Valley area of the Mountain State. (See WEST VIRGINIA NOTES column for more details). (Photo provided by SWVARC)

KARC's "Splatter" newsletter for the second consecutive year has been awarded an EXCELLENT rating in the 1992 Amateur Radio News Service (ARNS) newsletter competition. There were ninety entries for 1992. The "Splatter" also reported that the East River "Current" from the ERARC club at Bluefield had been one of nine which earned the SUPERIOR rating.

* * * * *

KARC member Greg Rinehart, N8XAQ, is another DX station. He recently received his Korean callsign, HL9GRT. ARRL WV Section Manager Karl Thompson, K8KT, has announced that Alan Williams, N8JTG, will be serving as our Public Information Officer and Local Government Liaison representative. Al Hix, W8AH, is listed as the #1 DXer for 40-Meters with 342 countries on that band.

New KARC members: David Sweeney; George Stokes, N8KFD; J. L. Jessup, N8LFM; Deron Wilkes, N8UXH; Mike Stephens (call pending); Ronnie Bolen, Kb8OOY; Ray Felix, N8XLO; Gregory Rinehart, N8XAQ; and George Frisch, KB8NMQ. The club newsletter also gave a pat on the back to twenty hams who provided communications halp for the Charleston 100-mile segment of the "K-Mart Classic of West Virginia" (500-mile bike race) on Sunday, May 30.

Calvin, KB8LPP, and Roy, KB8NCZ, of the Southern West Virginia ARC report that club was asked to provide communications for the WVSOM 10K run on May 1. The race was well covered with six mobile stations along the route, a plane overhead, and the club's new communications van stationed at the finish line. Participating were: Charlie, K8DRK; Aaron, N8VPW; Mike, KB8NWV; Matthew, N8UHO; Bill, KB8NWU; Chuck, KB8MHL; Dave, NY8G; Calvin, KB8LPP; Gary, WV8D; Norman, WA8AVZ; and Dave, WB8NXA in the air with his 14-year old son, Benjy, KB8OZP.

On May 15 Dave, NY8G; Bill, KB8BWU; Ann, KB8MME; Mike, N8VXL; Wayne, WB8SPW; David, KB8LZT, and Harry, KF8TQ, worked the Special Olympics.

* * * * *

SWVARC has one family with eight ham members--David Hersman, WB8NXA; his XYL, Crystal, KB8DGJ; daughter Vickie, KB8CIS (now residing in South Dakota; and sons Kent, KB8DBD (in England with the USAF); Nathan, KB8BDA; Benjy, DB8OXP; and foster children Charlotte, KB8OZR, and

Continued on Page 44

The SERA Repeater Journal

VE/VEC EXAMINATION SCHEDULE

The VEC/VE Exam schedule is published Free as a public service of SERA. Schedules are supplied by individual VEC/VE teams. For quarterly changes, or additions, write the Repeater Journal Editor. SERA cannot assume any responsiblity for erronious or outdated listings other than typographical errors.

Arkansas

West Memphis WCARS-VEC
Walk-ins 2nd Sat. each month at 9:00 a.m. at the Rosewood United Meth. Ch. Sked: Aug. 14, Sep. 11, Oct. 9, Nov. 13, Dec. 22. Call: Gene Bagley, AB5BL, (501) 739-4029, or Rev. Richard Gregory, AB4CH, (501) 735-4060.

Georgia

Augusta, ARRL-VEC
Walk-in exams 2nd Saturday, even months at Fort Gordon, Bldg. 20301 at 9:00 a.m. Sked: Aug. 14, Oct. 9, Dec. 11. Contact: Ace Norton, NA4I (706) 798-5060.

Augusta WCARS-VEC
Walk-in exams on 2nd Saturday Odd months at Sue Reynolds Community Center. Code at 10 a.m. Written 11 a.m. Sked: Sep. 11 and Nov. 13. Contact Jim Abercrombie, N4JA, (404) 790-7802.

(Metro Atlanta Area Examinations)

Lawrenceville W5YI-VEC
Walk-in exams 1st Sunday monthly at 2:00 p.m. at Jackson EMC, 461 Swanson Rd., Lawrenceville. Contact Duane Reynolds, WB2YAD, 962-9582.

Peachtree City CA-VEC
Walk-in exams 1st Saturdays at 9:00 a.m. at Peachtree City - City Hall. Take exit 12 off I-85. Contact Mike Murphy, KB4KZY, 487-7494.

Roswell CA-VEC
Exams 1st Monday of each month at 7:00 p.m. at the St. Ann Catholic Church, 4905 Roswell Rd., Marietta. For info, contact: Delaine McCarthy, KM4FV 993-9758.

Stone Mountain CA-VEC
Walk-ins 2nd Saturday of each month, at 8:30 a.m. at Stone Mt. Methodist Church, Contact Hal Martin, KI4RD, 469-6430.

Southern Tech CA-VEC
Walk-ins 3rd Saturday each month. 9:00 a.m., Southern Tech, Rm 4310, Academic Bldg.. Call Hal Martin, KI4RD, 469-6430.

DeKalb County CA-VEC
Walk-ins 4th Thurs. at 7:00 p.m. at DeKalb Co. Police, E. Precinct, Lithonia. Call Harvey Pearson, WB4PHF, 972-5061.

North Atlanta ARRL-VEC
Walk-ins 4th Sunday monthly, 2:30 p.m. at Church of the Atonement, Highpoint Rd. Call Neil Foster, KC4MJ, 449-3340.

Dalton WCARS-VEC
Pre-Reg. exams Saturday even months at Unity Baptist Church at 3:00 p.m. Sked: Aug. 28, Oct. 30, Dec. 25?? Contact Bert L. Coker, N4BZJ, (706) 259-5625 or Harold W. Jones, N4OTC, (706) 673-2291.

Indiana

New Albany, WCARS-VEC
Walk-ins 3rd Sat.of even months 10 a.m-2 p.m. at Ind. Univ. Sked: Aug. 21, Oct. 16, Dec. 18. Call Dick Truax, K8GVU, 246-6377 or "Mac" McCrory, NM9A, 944-6661.

Kentucky

Hazard WCARS-VEC
Walk-ins at Ray G. Eversole School. For info contact John Farler, K4AVX, 109 Hall St. Hazard, Ky 41701. Ph. 436-5354.

Middlesboro WCARS-VEC
Walk-ins 2nd Saturdays odd months at Middlesboro Library. Sep. 11, Nov. 13. Call: Andrew A. Pitt, WB8WEZ, (606) 248-0046 or James Dyke, KZ8A (615) 869-4453.

Mississippi

Gulfport ARRL-W5YI VEC
Exams held at Harrison Cty. Courthouse in CD conf. room at 8:00 a.m. Call: Stan Hecker, AA4SP 875-9341,d 875-0222, n.

Ocean Springs ARRL-W5YI VEC
Exams at 7:00 p.m. at Ocean Springs Library in meeting room. Pre-reg req, limited walk-ins accepted. Contact Stan Hecker, AA4SP (601) 875-9341 day and 875-0222 nights.

North Carolina

Asheboro VE Team
Exams qtrly at Belfour Baptist Church, 1642 N. Fayetteville St. and at other times warranting an exam session. Contact: Dwight Ayers, N4ZRT, P.O. Box 246, Cedar Falls, N.C. 27230. (919) 629-5516.

Asheville WCARS-VEC
Walk-in exams at 9:00 a.m. at the Health and Social Services Bldg. 25. Sked: Oct. 23. Contact Norman G. Harrill N4NH, (704) 253-1192.

Asheville WCARS-VEC
Walk-in exams 2:00 p.m. at the Elm Bldg., Rm. 134 of AB Tech. Sked: Nov. 21. Contact Mary Dull AA2AB, (704) 891-5481, or Don Lovelace, W4TMT, (704) 765-5311.

Charlotte ARRL-VEC
Exams quarterly in May, August & Nov. Call: Rob Rochelle, WA4DAZ 845-3099 or Mary Hunt, KA4EXP 845-9429

Charlotte Charlotte-VEC
Monthly walk-in exams at 9:00 a.m. Saturdays at Gaston Cty library, Gastonia. Contact Charlotte VEC, (704) 596-2168.

Durham
Exams 2nd Saturday of odd months. Please pre-reg. by mail with SASE to KY4Y, 120 Radcliff Circle, Durham, NC 27713.

Greensboro W5YI-VEC
Walk-in exams 3rd Thursday of each month, at the Trotter Center on Vandalia Rd., Reg 6:30 p.m. For info: contact Charles Layno , WB4WOR (919) 288-3635 or on 146.76 repeater, or call Real Talk (919) 299-2525, Prompt 0076.

Hendersonville W5YI-VEC
Blue Ridge Chap. QCWA team has Walk-in exams at Blue Ridge C.C. 2:00 p.m. on Sep. 12, Dec. 5. Walk-ins welcome, reservation req. Contact W2YTO at 891-4359.

Fayetteville CFARS ARRL-VEC
Walk-in exams 2nd Sat. of odd months at Methodist College in Science Bldg. Regis. 9:00 a.m., testing 9:30. Contact CVE Fred New KN4SS at (919) 497-6589.

High Point TEARC-VEC
Exams occasional basis. Call Jim Williamson, NQ4T at (919) 841-7576 for more details. Sessions avaiable for 5 or more.

VE Exam Schedule Continued Next Page

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SWR METER'S
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MFJ-812B VHF $25.95

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Rs 0 Trunk lip Mount $0.05
Hs-21 Trunk lip Mount $23.95
Rs-25 Pipe mount $25.95
3D5M Cable Assy $20.95
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P. O. BOX 221136
CHARLOTTE, NC 28222-1136
OR CALL (704) 841-HAMS**

VE/VEC EXAMINATIONS

CONTINUED FROM PREVIOUS PAGE

Kernersville TEARC-VEC
Exams 1st Sat. monthly, 9:00 a.m. at Kernersville Public Library. Call Jim Williamson, NQ4T at (919) 841-7576.

Leicester WCARS-VEC
Walk-in exams 2nd Saturdays each quarter. at 9:00 a.m. at Leicester VFD on Hwy. 63, (Asheville). Sked: Sep. 11, Dec. 11. Call: Larry E. York, WB4PLA, (704) 683-1400.

Marion WCARS-VEC
Walk-ins at Asheville Federal Bank, Main St. Sked: Aug. 14, Nov. 13. Call: Cecil D. Potter, WB4UCF, 724-4007.

New Bern WCARS-VEC
Walk-in exams held at New Bern High School at 9:00 a.m.. For schedule, contact: Andy Griffith, W4ULD, (919) 726-5924 or (919) 247-0967.

Raleigh
Exams 1st Wednesday of even months. Pre-register by mail with SASE to AA4MY, 220 Carriage Trail, Raleigh, NC 27614.

Rocky Mount ARRL-VEC
Tar River ARC conducts walk-in exams 9:00 a.m. at Rocky Mount Childrens Museum, Sunset Park. Sked: Sep. 25, Nov. 27. Call: Bill Thomas, WF2G, 442-6131.

Rutherford County WCARS-VEC
Exams at Isothermal Col. in Spindale 3rd Saturday, 1st Month of quarter. Sked: Oct. 17. Call: A.B. Brackett, KO4BJ, 245-6344 or F. Bruce Tessinear, KD4OJ, 657-5464.

Salisbury W5YI-VEC
Exams 2nd Sunday each month, 1:00 p.m. Rowan County Public Library. Call: Isabelle Ledford, AB4UX, (704) 284-2414.

Smithfield (ARRL-VEC)
Triangle East ARA 3rd Sat. monthly. Write TEARA VE, POB 255, Smithfield, NC 27577 or call Peter Hulth, N4SXG, 934-8927 or Dave Hockaday, WB4IUY, 291-8451

Spruce Pine WCARS-VEC
Exams at Burnsville Public Library at 9:00 a.m. Sked: Aug. 21, Nov. 13. Contact David McCarty, KK4PW, (704) 675-9044 or David L. Gillespie, WA4LLR, (704) 675-9942.

Tarboro ARRL/VEC
Tar River ARC exams every 2 months at Heritage Hospital at 9:00 a.m. Contact Bill Thomas WF2G, (919) 442-6131

Wilson VE Team
Pre-registration exams 2nd Sat.qtrly, at Wilson County Library Conf. room at 9:00 a.m. Sked: Aug. 21, Nov. 20. Call Tommy Evans, NE4J at 291-1738 nights, 237-1898 days.

Yadkinville VE Team
Walk-in exams by Bear Creek ARC 2nd Saturday of each month at the Yadkinville Elementary School on Rt. 601 at 10:00 a.m. Call Steve Hutchens, N4DEY at (919) 961-8741.

South Carolina

Charleston WCARS-VEC & W5YI VEC
Walk-in Exams 3rd Saturday each month at 9:00 a.m. at Trident Tech College Sked: Sep. 18, Nov. 20. If holidays, testing on the 2nd Saturday. Contact: Ed Frank, 871-4368. (W5YI) and Pat Foster, AC4IH, 553-3871 or Werner E. Dolder, AA4IX, 873-9465 (WCARS)

Columbia, WCARS-VEC
Walk-in exams 3rd Sat. even months, at the Red Cross Bldg., Bull Street and Harden Ext., 8:30 a.m. Sked: Aug. 21, Oct. 16, Dec. 18. Call Ray Rogers, N4WR, 345-3373.

Greenville WCARS-VEC
Walk-in Exams 1st Saturday odd months at 8:30 a.m. at O'Neal Engr. Bldg. 850 S. Pleasantburg Dr. Sked: Sep. 11, Nov. 6. Contact John Chism, ND4N, (803) 288-0136.

Lancaster W5YI-VEC
Pre-Regis, or Walkins. 9:30 a.m. USC, Main Bldg. Sked: Aug. 14, Dec. 11. Talk-in: 10-70. Call Grady Robinson, 283-8298.

Spartanburg WCARS-VEC
Walk-ins 2nd Tuesday even months 7:00 at ARC on Garner Road. Call: Pete Theiler, KI4KN, 585-4919 (n) 578-5566 (d)

Sumter WCARS-VEC
Walk-in exams 3rd Saturday 8:30 AM odd months at the Abundant Faith Church on Hwy. 521. Sked: Sep. 18, Nov. 20. Call Dan Mask WB5SGH, (803) 775-9106.

Tennessee

Blount County, Maryville WCARS-VEC
Walk-in exams 2nd Monday even months at 7:00 P.M. at St. Andrews Church Hall, Sked: Oct. 11 and Dec. 13. Contact Carrol Peabody, W4PCA, (615) 982-5839.

Carter County WCARS-VEC
4th Friday odd months 7:00 p.m., Carter Cty. Airport Elizabethton. Pre-reg. is rqr day before tests. NO walk-ins. Sked: Sep. 24, Nov. 19. Call Joe Hopkins, K4BKI, 543-4022 or Jon Christiansen, AB4NN, 543-7155.

Chattanooga CARC ARRL-VEC
Pre-Regis. exams monthly except July and Nov., at ARC bldg. McCallie Ave. at 6 p.m.. Sked: Sep. 3, Oct. 1 (Oct. 23 & 24 at Chattanooga Hamfest), Dec. 3. For info contact: Art Parry, WB4BGX (615) 886-4714

Chattanooga WCARS-VEC
Walk-in exams first Monday odd months at Walker County (Ga.) Civic Center, Hwy. 27, Rock Springs, Ga. at 7:00 p.m. Sked: Sep. 6 and Nov. 1. Contact: Alan Painter, WA4QCH, or Dale Harwood, N4VFF, (404) 937.5680.

Fentress County WCARS-VEC
Walk-in exams 3rd Thur, 1st month of qtr, 7:00 p.m. at First Baptist Church. Sked: Oct. 21.Call: Mike Ledbetter, AB4BX, 879-8626 or Steve Qualls, KJ4HT, 879-7517.

Gallatin WCARS-VEC
Exams held at hamfest. Oct. 2 at 11:00 am. Pre-registration only. Contact: Ronnie L. Gilley, KA4LUG (615) 452-0883 or Jerry Goodchild, K4DZR, (615) 824-7699.

Greeneville WCARS-VEC
Walk-in exams 4th Saturday odd months at Roby Adult Center on College St. Sked: Sep. 25 and Nov. 27. Contact: Jack Creed, K4EPC, (615) 638-7056.

Henry County WCARS-VEC
Walk-ins every 6 weeks at 9:00 a.m. at Henry County HS, Paris. Sep. 4, Oct. 16, Nov. 27. Call Mackie Gallimore AA4YF, 247-5489 or Les Merrell, KQ4F, 642-5966.

Jasper WCARS-VEC
Pre-Reg. req., some walk-in (exams limited), 2nd Sunday at Jasper Public Library 1:00 p.m. Sked: Aug. 8, Sep. 12, Oct. 10, Nov. 14, Dec. 12. Call Charles Wooten, KD4XX, 942-5116 or Wallace S. Brown, KD4XV, 942-2836.

Johnson City WCARS-VEC
Exams 3rd Saturday even months at 10 a.m. at ETSU, Room 223. Reg. 1/2 hr. prior. Sked: Aug. 21, Dec. 18. Contact Charles Hensley, AC4QF, 743-5144 (h), 926-1171 ext. 7807 (w). or C.V. Jayne, Jr. W4NHT, (615) 282-5822.

Knoxville WCARS-VEC
Pre-Reg. til 9:30 a.m. Code 10 a.m., written 11 a.m. 3rd Saturday of month. Pellissippi State Tech. Room B-129. Sked: Aug. 21*, Sep. 18*, Oct. 16*, Nov. 20*, Dec. 18*. (*=Tentative dates. Call: Ray Adams, N4BAQ, 688-7771. Alt. Rich Slover, ND4F, 539-4821.

Loudon County, Loudon WCARS-VEC
Walk-in exams 4th Saturday even months, at Third National Bank on U.S. 321 E. (321 is Exit 81 on I-75, then East to Bank) Sked: Contact: Bob Gray, KE4SK (615) 458-6115.

SUMTER HAMFEST

Sponsored by the

Sumter Amateur Radio Association
P.O. Box 193 Sumter, SC 29151

DATE: Saturday, October 23, 1993

TIME: 8:00am till 4:00pm

PLACE: Sumter County Exhibition Center
700 W. Liberty St. Sumter, S.C.

TICKETS: $5.00

TABLES: $6.00

20,000 Sq. Ft. indoor space
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Mike Dunlap KC4HUT 803-481-4611
Dan Mask WB5SGH 803-775-9106

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5W 800 Mah Batt
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3W version 5 watt version

40 Mem., lighted keypad & dial, DSQ paging, Subtone encode, priority & call, scan modes, ACFT rec., DC to DC, APO & Batt Save are just a few of the many features of the DJ-F1T. Only 4.3-inches high, with B-I-G 7.2V 700 Mah battery. 5W version has 12V 600 Mah batt. All you need!

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$215.00

Economy sized and priced to fit the smallest budget. The DJ-180T sports a rugged and stylish look. Features 10 mem. (expandable to 50 with optional EJ-14U unit) Tune in frequencies with tuning control. Scan modes, sub-tone encode, lighted dial, call chan. keybd-PTT lock. 3W.

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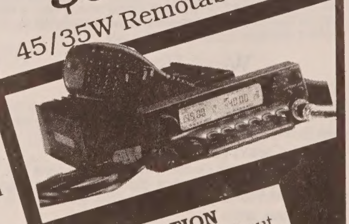

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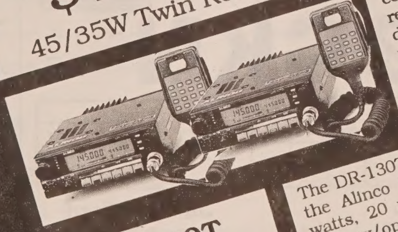

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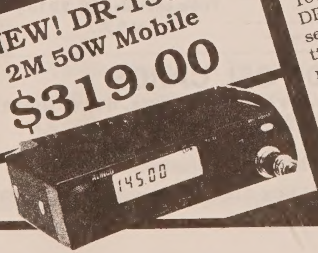

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VE/VEC EXAMINATIONS

McMinn County WCARS-VEC
Walk-in Exams 2nd Monday 8:00 p.m. odd Month, at Athens Municipal Building Council Chambers. Sked: Sep. 13 and Nov. 8. Contact: Evan Ray, WA4PNI (615) 263-9300.

Memphis WCARS-VEC
Walk-in exams 3rd and 4th Sat. of month at 9:00 a.m., Central Church on Winchester Road. Sked: Aug. 21 & 28, Sep. 18 & 25, Oct. 16 & 23, Nov. 20 & 27, Dec. 18. Contact: Win Guinn, W2GLJ, (901) 754-4552 or Nita Wofford, N4DON, or Stan & Mary Moore, AC4CQ & AC4GF, (901) 795-5923.

Morristown WCARS-VEC
Walk-in exams at 7:30 pm at Red Cross Bldg. Sked: Sep. 2, Nov. 4. Contact: John Hall KC4ZAL, (615) 581-4227.

Roane County WCARS-VEC
Walk-in exams 2nd Sat. even months, Pond Grove School, Rockwood. Aug. 14, Oct. 9, Dec. 11. Call Richard Spille, AA4KS, 354-4281, or Bill Smelcer, KA4AAD, 354-1010.

Virginia

Bedford ARRL-VEC
Walk-ins 2nd Sunday, 2:00 p.m. at Liberty Lake Park Admin. Building. Info, Call Bob Treacy, W2QZY (703) 297-5351

Danville W5YI-VEC
Walk-in Exams last Tuesday of month at Danville Community College, Hill Building. Registration starts at 6:30 p.m. Contact Contact Jim Thomas, KB4XK (919) 234-8938..

Roanoke WCARS-VEC
Walk-ins on Sep. 25, Dec. 4, at Hollins College. Contact Fred L. Horton, KZ4Y, (703) 366-6266. or Ben Giavaden, N4BG, (704) 344-7000.

Roanoke ARRL-VEC
Walk-ins on 3rd Friday monthly at Roanoke Valley ARC Bldg. Regis at 7:00 p.m. INfo: Gordon Garrett, KC4DY (703) 268-1017.

Norfolk, Va. Beach, Hampton Roads, Portsmouth, Chesapeake, Williamsburg.
All exams: Walk-ins are ok, but contact person would like to know in advance. See individual exams for contact person.

Southeastern Virginia Schedule

Hampton Roads Radio Assn.. (W5YI/VEC) contact Bill Runyon, N4BDH at 487-8611. Sked: Aug. 21, & Nov. 20.

Portsmouth ARC. (ARRL/VEC). Contact Art Thiemens, AA4AT at 484-2857. Sked: Nov. 6.

Virginia Beach ARC (ARRL/VEC) contact Ed Robinson, WD4GOY, 468-0866. Sked: Dec. 4.

Williamsburg ARC (ARRL/VEC) Contact Andrew Swanson, WJ4X at 253-2811. All exams walk-ins Sked: Sep. 11.

Virginia Beach Hamfest Oct. 3 - The South Peninsula ARC will conduct ARRL/VEC WALK-IN exams Sunday only at the Virginia Beach Hamfest-Computer Show. Call Ed Brummer W4RTZ 898-8031. Exams are Walk-in only

West Virginia

Beckley, W5YI VEC
Walk-ins at 6:00 p.m. are sponsored by ARA, Northern Div., in Rm C108 & C109 Mine Safety & Health Admin. Academy near Beckley. Sked: Sep. 25 & Dec. 4.

Bluefield, W5YI-VEC
Exams 2nd Sat. each Quarter, Feb., May., Aug., and Nov., 9:00 A.M. Bluefield State College. Walkins preferred. Contact Don Williams, WA4K (703) 326-2411 or (703) 326-3338.

Charleston, W5YI-VEC
The Kanawha Valley group gives Novice thru Extra exams, 9:00 a.m. 3rd Sat. of month, at Holy Trinity Catholic Church in Nitro. Walk-ins ok. Talk-in on 40-00 St. Albans repeater.

Huntington, TARA W5YI-VEC
Walk-in exams by the Tri-State ARA VE Team at Our Lady of Fatima Church, 545 Norway Ave. Check-in by 9:15 a.m., exams at 10 a.m. Call: Jim Baker, K8KVX, (304) 736-6542.

Nitro, W5YI-VEC
Walk-in exams (register at site) are held at the Holy Trinity Catholic Church. Registration begins at 9:00 a.m..Contact: Jimmie Hewlett, WD8MKS, (304) 768-1142.

NOTE TO VEC/VEs
The Repeater Journal publishes at no charge brief exam schedules. The Journal assumes no responsibility for erroneous dates or information other than to publish corrected changes in future editions if timely. VEC/VE organizations are invited to use this free service. Send your exam schedules, updates or changes to the Editor. Deadline for the November Issue is Oct. 1. See above format for information to submit.

Still A Bargain!
The Repeater Journal
Every Quarter - Every Year!

WEST VIRGINIA NOTES CONTINUED

Tommy, KB8OZQ. The Curry family in the tri-state area still holds the record around here with ten hams (Cover story a couple of years back in the Journal). Any extended famililies around with more than ten hams? Let me know!

* * * * *

The club's communications van was called into use on Friday, June 4, when thunderstorms with high winds and hail rolled through the Greenbrier Valley. A funnel cloud was reported and trees and power lines were blown down. The trailer was quickly put into use with operators WV8D, KF8ZH, KB8NWU responding to the call. The communications van is equipped with a county radio for communicating with the Sheriff's department, a dual band 2-meter/440, a citizen's band radio, a packet station, and a scanner. HF antennas are being prepared for stocking in the van.

* * * * *

West Virginia Amateur Radio, Incorporated, met May 17 to celebrate its 13th anniversary. Thirty-two members showed up to claim a piece of the impressive cake bearing the official WVAR logo. Certificates of Appreciation from Boyd L. Harper, President of the Putnam County Lions Clubs were presented to:

Dave Comstock, Danny Danner, Bob Gorham, Tom Hull, Tom mcClellan, Olie Rinehart, Gerry Sizemore, Cole Tabor, Carl Taylor and Karl Yeager in recognition of services provided for various Lions club activities.

* * * * *

Danny Danner, K8WOG, Ray Felix, N8XLO, and Starla Felix N8XZO. were present May 1 to demonstrate emergency communications at an Open House sponsored by the National Weather Service. One hundred twenty visitors attended the Open House.

The WVAR News carried a story about Russel Fedonick. Earlier this year Russell had picked up the February issue of the WVAR News at a Radio Shack store. Finding a picture of Bob Gorham (KC8VV) in that issue he called Bob to get more information about amateur radio. Bob referred Russell to Danny Danner, K8WOG, who lived nearer.

After contacting Danny Russell asked to visit his shack. They discussed how he could follow up on his desire to become a ham. He told Danny he was "pretty good with numbers" and borrowed a study guide. Within a couple of weeks he called Danny to say he was ready to take the test. He did so at the Charleston hamfest on April 4, then began studying code in order to upgrade.

WVAR membership as of I June was 110. Recent new members:

John and Janice Smithson (awaiting calls after passing exams at Ripley hamfest); Denzil (N8TVR) and Anita (N8YPV) Cox; Starla Felix (N8XZO), editor of the WVAR News; and Rodney Smith (WD8KOB) amd his XYL, Belinda Smith (KA8CLA).

* * * * *

Ted, W8KVK, dropped me a note advising me I had again been put on the mailing list to receive the Jackson County ARC Newsletter. He reminded me of an earlier flier I should have received regarding the club's offer of a "Callbook-on-disk." I remember that note but couldn't locate in my "hold" basket so I think I will take him up on his offer of a courtesy copy of the disk. That way I can try it out and report on it next time.

* * * * *

In writing the Balloon story, elsewhere in this issue, I tried to check most of the calls through a local ham's CD-ROM callbook on line but before I was through I lost one of the key nodes to his station on packet.

And that should do it till next time -- in November "the good Lord willing and the creeks don't rise."

JOIN SERA GET THE JOURNAL!!

SOUTH CAROLINA
FLORENCE COUNTY

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5th Annual **JARSFEST 93** ARRL Sanctioned Hamfest

SUN. NOV 21
8:00 A.M. TO 4:00 P.M.

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BENSON, NC

Adv. Reg. $4.00 — At Door $5.00 — Child (Under 12) Free ,With Adult

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BUY, SELL, TRADE *Plus* EXAMS, AUCTION, DEALERS, FOOD

DRAWINGS: GRAND PRIZE – ICOM IC-725 HF Transceiver

2nd PRIZE – Two Meter Mobile

INSIDE TABLES FOR RENT (All Spaces Sold Out In 92) Inside Set up: 6:30 AM, RESERVE YOUR SPACE NOW

GREAT FOOD
Biscuits – Burgers – Dogs & More

Out Door Tailgating

FAMOUS JARS AUCTION
2:00 PM

Local Lodging:
DAYS INN (919) 894-2031 & DUTCH INN (919) 894-7562

EXAMS BEGIN: 10:00 AM (SHARP)

Amateur Radio Exams (Courtesy of RARS VEC)

By pre-registration until November 15th. Send your completed Form 610, photo copy of your current license (if applicable), indicate the highest class of license you desire to be tested for, and a check or money order for **$5.60 payable to** JARS to:
Vince Yakamavich – AA4MY, 220 Carriage Trail, Raleigh, NC 27614, (919) 847-8512 (exam info only).

To Reserve Space or More Information Call: (919) 894-3352, 894-5479, & 772-8726 (7:00 PM – 10:00 PM)

Please Print Clearly **JARSFEST 93 Pre-registration** Make Checks Payable To JARS

NAME ____________________ CALL __________

ADDRESS ______________________________

CITY ______________ STATE __________ ZIP ________

PHONE (____) ______________

______	Pre-registration Tickets	@ $4.00 ea.	$ ________
______	Indoor Fleamarket Tables	@ $6.00 ea. plus registration	$ ________
______	Outside Tail Gate Spaces	@ $3.00 ea. plus registration	$ ________

Pre-registration Requests Received Without An S.A.S.E. Or After November 13th Will Be Held At The Door

Johnston Amateur Radio Society, Inc. P.O.Box 302, Benson, NC 27504

GEORGIA NEWS

-by Mike Flammia, N4PLM

News To: 5303 Driskell Dr., Winston, GA 30187

Now that the heat has hit Georgia it seems almost impossible to even think that just a few short months ago parts of Georgia were hit by a blizzard. The QTH here is way out in the woods and way down in a big hole near Dog River in Douglas County, Georgia.

We had lost electricity so we had no heat or water. Since there was about 14" of snow in the driveway I decided not to try and climb the hill out. We had prepared well, bathtubs and every bucket we had were filled with water, the wood stove was providing heat, we had plenty of batteries for flashlights, and the oil lamps were ready.

No, I didn't forget. The handi was charged and so was an extra battery pack. I tuned in the local repeater and listened to reports of the storm. As the storm subsided people began to get out.

Most of the county was without electricity and I listened with pride as the local club members began to help each other. Those that had 4 wheel drive, and some that didn't, got out to help their fellow hams. Kerosene heaters were delivered to help with heat, and generally anything that was needed got delivered.

Stranded motorist reports were called in and when it became evident that the local officials were overburdened. Our local hams got out and helped pull cars out of snowdrifts. Soon the club was delivering doctors and nurses to the local hospital.

As I listened to all this going on I couldn't help but feel proud of my local club. We had no official disaster plan. No official meeting site, we were used to getting on the local repeater for weather nets on a regular basis and that simple weather watch net developed into an outstanding emergency effort.

I'm sure this story was repeated hundreds of times around Georgia that weekend. Drop me a note if you have any comments. And, oh by the way, is your club ready for the next emergency??

*****

Club officers for the Athens Radio Club

N4VHA, President; KD4GVX, V.P.; KD4SMR, Secretary and N4CUA, Treasurer.

Nice to see some fairly recent call signs active in the club.

*****

Field Day is now history. Hope everyone had a great time. Our local club put in a big effort and unofficially logged about 2000 contacts. This old man's body is still trying to recover.

*****

The Coastal Amateur Radio Society (CARS) invites anyone who may be in the Savannah area on a Sunday night to check into their VHF net on the 146.70 repeater at 9 PM local time.

ARRL Strongly Backs Plan for 219-220 Mhz

-From The ARRL Letter

In June, the ARRL filed comments supporting a FCC proposal to allocate 219-220 MHz to the Amateur Service on a secondary basis, nationwide, with just minor exceptions.

In April the FCC proposed the allocation for amateur auxiliary station (point-to-point) packet backbone networks and other amateur point-to-point fixed communications in ET Docket 93-40.

The League called the proposed allocation "urgently needed by the Amateur Radio Service," saying it would "be a great relief from difficult circumstances for the Amateur Service."

Amateur use of 219-220 MHz would depend on avoiding interference to two services, (1) TV broadcast channels 11 & 13, and (2) a newly developed Interactive Video and Data Services (IVDS), which is allocated 218-219 MHz on a primary basis.

The League said that amateurs' responsibility in this area should be limited to that already covered in existing FCC rules regarding spectral purity.

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Advance Registration
Write: 2129 Squire Rd., Rock Hill, S.C. 29730

EAST TENNESSEE NEWS

-by Thomas N. Muncy, KB4QGK

News To: 142 Manhattan Ave., Oak Ridge, TN 37830

The Chattanooga ARC provided volunteers to help with communications and other needed tasks during the May 2, Setenga Chapter of the Multiple Sclerosis Society"s 21st Bike-a-thon. Garland, KB4RTM, Dan KB4AJW, and Roy, KA4AFS, made the 25 mile trip under pedal power.

The Chattanooga Club also has purchased and installed two new ICOM repeaters.

*****

The RACK club of Knoxville reports a successful hamfest this year, due to the hard work of chairperson Ron Russell, KA4AZQ, and all the hamfest workers.

Mayor Victor Ashe of Knoxville declared June as "Amateur Radio Month" in Knoxville.

*****

Rich Slover, ND4F of the RACK club, reports a RACES training session for advanced weather spotters was held in late June. The class was taught by Mike Propst of the National Weather Service. Knoxville area hams keep track of the severe weather for the emergency operations center in case they are activated. One of their tasks is to keep a weather status board in the center updated.

*****

According to the MARC Newsletter of the Maury County Club, their repeater net has been called regularly for 15 years. Their check-in list numbers in the 60s. Earnie Parker, WB4AWN, is the net manager.

The Lawrence County ARS has initiated two new nets for their area. The skywarn net is called on Tuesday and Thursday nights at 8:00 p.m. on the 146.655 machine. The ragchew net is called on Monday through Friday nights at 9:000 p.m. on the frequency 28.315 MHz. Terry Eliis, KD4CXE, reports that both the NWS and the local news channels were using their services during recent severe weather in the area.

*****

Jack Russell, W4JMG, President of the Oak Ridge club reports a successful hamfest due to the hard work of Gene Munch, KB4UMM and all his hamfest helpers.

Doug Campbell, N1CWR, and his education team in the Oak Ridge Club, have completed a novice class and plan to hold a Technician class with code to 13 wpm in the near future.

*****

Members of the Anderson County Repeater Assn. are busy checking the lightning damage to their site after numerous strikes this past Spring. They are replacing their coax with hardline and installing lightning protection on all incoming cables as well as redoing the tower grounding system. Gene Rose, KZ4I, reports the 146.70 machine should be on the site soon.

*****

I visited four field day sites in the Middle East Tennessee area. I talked with the Chairperson, Angela Crigger, N4RPR, of the Knoxville Club at their beautiful site on Fort Dickerson Hill. Stations were set up to cover all bands. Battery power was used, and the battery bank was recharged with solar cells. Doub Estep, N4UAG, was busy as the chairperson setting up the onsite picnic for that Saturday evening.

*****

The Smoky Mountain Club in Blount County was set up on their site at Look Rock in the foothills of the Smokey Mts. Phil Skeens, N4RYR, was the field day captain here.

*****

The Oak Ridge Club was set up on their site at the Civic Center with demonstrations for the public. Jim Whittlesey, KC4RHW, was the Field Day captain for this team.

*****

The warmest welcome I received and the most impressive site was the Roan County Club at the Rockwood Airport. My host was George Kieps, WB4LBW. He took me on a tour of the campsites and station sites scattered around the area. Everyone took time out to shake hands and explain their tasks. A cookout was in the making for the evening, complete with deep dish cobbler made Boy Scout style in dutch ovens. Charles Reed, N4VTP was the baker. I met the youngest ham of the day here. Matt Riggs, KC4ZDD, 11 years old, was operating the 10 Meter station. I really hated to leave thissite, with the smell of charcoal grills and cobbler on the breeze as I climbed into the van for my return trip home.

*****

I thank the Chattanooga, Knoxville, and

Continued on Page 51

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Outdoor Tailgate $15.00 (No Advance Registration)

Outdoor Tailgating - a special area for "out of the back of your car" tailgating and good for both days. Area consists of one lined off car space with car parked within space.

THE TRUTH ABOUT AUTOPATCHES

WILL YOUR REPEATER CONTROLLER BE DISCONNECTED FROM TELEPHONE SERVICE FOR NON-COMPLIANCE?

THE FCC, THROUGH ITS PART 68 RULES AND REGULATIONS, imposes certain restrictions on equipment connected to the telephone network—including repeater autopatches.

Most of the amateur autopatch controllers you've seen advertised don't meet Part 68 requirements. (Surprisingly, it's not illegal to make or sell non-registered equipment. But it's illegal for *you*, the customer, to directly connect it to the telephone network.) Your telephone company may discover non-registered equipment during maintenance or trouble-shooting operations.

Want to check if a manufacturer complies? Ask for the FCC Registration Number and Ringer Equivalence Number (REN). If the manufacturer can't provide them, you can't connect the equipment. Some further clues: If the product doesn't use modular plugs and jacks for connections to the network, it isn't certified. If the manufacturer doesn't print the required Part 68 notices in the manual, he's out of compliance.

Some manufacturers will say you simply need to install a "coupler" between their controller and the telephone network. Don't be misled—this is *not* an answer. "Protective couplers" were an interim solution devised in the early days of telephone deregulation. Even if you can still find one, chances are it won't meet all the requirements of Part 68 (much more circuitry is now required)—and virtually none have been certified in the last five years. (Although a compliant coupler could be made, there's no market for it. Large commercial manufacturers don't fool around with couplers—they've been designing their products to meet Part 68 requirements for years. You'll find registration numbers on your phone, fax, modem, answering machine, cordless phone, and so on.)

Most amateur controller manufacturers are small operations. They don't comply because registration takes time, knowledge, and money—an investment which raises the cost of their product and lowers sales.

Thus, it's nearly impossible for you to be in compliance, leaving you on your own to deal with the FCC and telephone company. Why take a chance?

S-COM's 6K and 7K controllers have an FCC-registered Telephone Interface Module option for customers needing autopatch or phone line control of the repeater. Our compliance with Part 68 means more to you than just meeting a regulation; S-COM's equipment has withstood rigorous testing for vibration, temperature, humidity, shock, voltage surge, leakage current, and so on.

S-COM goes further than just meeting minimum requirements. Our coupling transformer has nickel laminations instead of iron for a wider frequency response that makes autopatches sound better over the air. We use gas discharge tubes in our lightning protection circuitry. We use a solid-state relay for reliability, others use a mechanical relay. Our ring detector circuit uses a chipset made specifically for telecom applications. We send only regenerated DTMF to the phone line during dialing to eliminate misdials.

$100 Trade-In Offer

From now 'til November 1, your old controller—regardless of brand or condition—is worth $100 in trade toward a quality S-COM 6K Repeater Controller with Autopatch, regularly $495. The 6K supports a repeater and one additional receiver. It's fully programmable via DTMF, and features a 'polite' CW ID'er, 200 macros, an FCC-registered Telephone Interface Module, tone and DTMF paging, three logic inputs and outputs, and a non-volatile memory system, all packaged in a space-saving 1-3/4 by 19-inch rackmount cabinet.

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KEYword 93

1000 REPEATER MEMBERS!

We Did It!!! 1,000 Big Ones!

Every State provided us with enough additional members to top the 1,000 mark of SERA Full Member repeaters. This milestone has been reached for the first time in the 22 year history of the organization.

We were 31 short last May. The number totaled 997 on July 18 as the Repeater Index was run off. In the mail on July 19th, enough additional members came in to top the 1,000 mark and meet our elusive goal.

The Officers, Directors, and Appointees of SERA THANK YOU for your unbelievable support. No wonder SERA is considered the best coordination council in the Nation. We have the best repeaters, the best users, and the most voluntary support any organization could ever hope to have. Without your support we would never have made it. Our sincere appreciation to all! *(Editor)*

SERA Quarterly Financial Report

-by Ray Adams, N4BAQ, Treasurer

FINANCIAL REPORT FROM JANUARY 1 TO JUNE 30, 1989, 1990, 1991, 1992, and 1993

Dues	$6/$15	$6/$15	$6/$15	$6/$15	$8/$20
REVENUES	1989	1990	1991	1992	1993
Advertising	$ 4,578.50	$ 7,652.70	$ 5,984.00	$ 5,401.50	$ 5,978.60
News stand sales					1,160.00
Associate membership dues	5,948.25	5,321.00	6,379.00	7.212.15	8,242.75
Full membership dues	3,730.50	5,663.00	5,082.50	3,729.75	5,617.50
Decals	31.00	3.00	117.75	52.00	3.00
Contributions	186.40	- 0 -	50.00	100.00	125.00
Interest	155.74	220.80	259.75	261.70	97.63
Other	90.00	95.25	46.25	27.75	- 0 -
	$14,720.39	$18,955.75	$17,919.25	$16,784.85	$21,224.48
EXPENSES					
Journal distribution	$ 1,406.71	$ 1,402.86	$ 1,714.25	$ 850.06	$ 3,286.46
Journal production	10,007.43	9,099.36	8,497.29	11,297.72	14,831.91
Miscellaneous	105.75	140.00	85.30	- 0 -	626.56
Travel and meetings	1,822.54	648.96	847.86	1,427.55	3,693.82
Office expenses	236.48	160.28	985.19	876.91	98.45
Postage - other than journal	978.02	624.64	1,022.29	1,529.83	324.32
Printing - other than journal	336.71	157.87	58.24	699.55	292.98
Telephone	363.55	366.96	833.26	882.32	842.85
	$15,257.19	$12,600.93	$14,043.68	$17,563.94	$23,997.35
REVENUE OVER (UNDER) EXPENSES	($ 536.80)	$ 6,354.82	$ 3,875.57	($ 779.09)	($ 2,772.87)
Balances, beginning of year					
Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	3,026.00	3,203.60	2,749.00	4,340.50	4,475.00
Cash in bank	5,393.35	4,156.54	9,130.27	12,958.28	8,198.64
	$ 9,319.35	$ 8,260.14	$12,779.27	$18,198.78	$13,573.64
EQUITY TO ACCOUNT FOR	$ 8,782.55	$14,614.96	$16,654.84	$17,419.69	$10,800.77
Less: Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	3,026.00	3,203.60	5,958.18	6,407.70	4,475.00
	$ 3,926.00	$ 4,103.60	$ 6,858.18	$ 7,307.70	$ 5,375.00
CASH IN BANK	$ 4,856.55	$10,511.36	$ 9,796.66	$10,111.99	$ 5,425.77

EAST TENNESSEE NEWS CONTINUED

Maury County clubs for adding me to their newsletter mailing lists. I hope all the clubs add me to their lists and send me news from all Tennessee areas. Remember, my deadline to the editor is the 1st of the month, prior to publication date - so send to me at least a week or two earlier than that. MY deadline for the November issue is October 1, and I'll need time to gather information together.

11-Year-Old Matt Riggs, KC4ZZD of the Roane County Club operated the 10M station at the Roan County Club Field Day.

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36th Annual

SHELBY HAMFEST

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FREE PARKING! Park across the Road from Main Entrance to the Fairgrounds, on Paved, Lighted Lot. Handicapped & Tailgaters use gate near Intersection of Highway 74 Business and Highway 180.

VOLUNTEER EXAMINATIONS BY WCARS/VEC

Saturday, Sept. 4, and Sunday Sept. 5, at 2:00 p.m. at CLEVELAND COUNTY OFFICE BUILDING, adjoining Hamfest grounds. Cut-off date: August 28, 1993. Send completed Form 610 (June 1984 or later), photocopy of present license, any certificates, check or money order for $5.60 fee payable to WCARS/VEC and note stating what examination elements you desire to take to:

Norman Harrill, N4NH
No. 7 Skylyn Court
Asheville, N.C. 28806

Applicants must bring original of present license, any certificates and picture I.D. to the examination session.

WALK-INS ACCEPTED

1993 SHELBY HAMFEST PRE-REGISTRATION FORM

I would like to Pre-Register for The 1993 SHELBY HAMFEST Enclosed is my check for:

______Hamfest Tickets at $4.00 each. Total:__________
Under 12 Years-Old FREE!

Name______________________________Call__________

Address______________________________________

City_____________________State_______Zip_______

Phone: (   ) ________________

Mail Completed Pre-Registration form with your Check, Please include S.A.S.E. for Return of your Tickets

MAIL TO: SARC
P.O. BOX 2206
SHELBY, N.C. 28151-2206

Pre-Registration Tickets Will Already Be In The Barrel!

SATURDAY AND SUNDAY September 4th and September 5th

To Be Held At The Cleveland County Fairgrounds

SHELBY, N.C.

An ARRL Sanctioned Hamfest

PRIZES & AWARDS

PRE-REGISTRATION AWARD:
ICOM IC-2GAT Hand-Held Transceiver, with BC-35 drop-in charger. Drawing at 9:00 a.m. Saturday, September 4, 1993.

MAIN AWARDS:
Drawing Both Days at 2:00 P.M.

SATURDAY at 2:00 P.M.:
ICOM IC-725 H.F. Transceiver.

SUNDAY at 2:00 P.M.
ICOM IC-725 H.F. Transceiver.

HOURLY PRIZES:
Saturday, Sept. 4 and Sunday Sept. 5, beginning at 9:00 A.M. thru 1:00 P.M. - Each Hour!
ICOM IC-229H 2-meter Transceiver.

You do not have to be present to win the above awards.

Major awards obtained with the cooperation of ICOM AMERICA, INC.

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Phone: (704) 482-4507

Ace Lovelace, WD4NHM
719 Washburn Switch Road
Shelby, N.C. 28150
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HAMFEST INFORMATION

Please Call Direct to the Shelby Hamfest Site, Beginning August 30 thru Sept. 5th.

PHONE (704) 480-6928

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Some of the motels in the area are listed below. They recommend that you call well in advance, otherwise reservations may be a problem.

SHELBY MOTELS

HAMPTON INN - 1-800-HAMPTON
FREEDOM LODGE - 1-800-562-5729
DAYS INN - 1-800-892-0148
GOVERNORS INN - 1-800-523-7328
TOWN HOUSE - 1-704-484-8539
JANUS BED & BREAKFAST - 1-704-482-1262

KINGS MOUNTAIN MOTELS

HOLIDAY INN - 1-704-739-2544
COMFORT INN - 1-704-739-7070

OTHER NEARBY MOTELS

GASTONIA - Mid-town, Howard Johnson, Scottish Inn, Knights Inn, Econo Lodge, Hampton Inn, Innkeeper
GAFFNEY - Days Inn, LaDel Motel, Comfort Inn
FOREST CITY - Gordo's, Big Horn, Goodes, Henderson Inn
LINCOLNTON - Town & Country
HICKORY-Hwd Johnson, Holiday Inn, Mull's, Ramada Inn

36th Annual

SHELBY HAMFEST

The Grand-daddy of Them All

LOCATION:
Cleveland County Fairgrounds on U.S. 74 Business, at intersection of N.C. 180, 3-1/2 miles East of Shelby, N.C.

FACILITIES:
Indoor buildings for all new equipment dealers. 15+ acres for all types of tailgating. Plenty of FREE parking outside grounds.

FOOD:
There will be food service on the grounds. Most of Shelby's restaurants are within a few minutes drive of the Hamfest site.

REGISTRATION:
$4.00 for pre-registration (see form on left page) and $5.00 at the gate. All tickets good for both days. Children under 12 FREE! Pre-registration ticket requests received after August 27 will be held at the front gate.

OVER-NITE CAMPING:
Facilities include over 40 sites with full hook-ups, water, sewer and electricity. Sites available on first-come basis and *none will be reserved under any circumstances*.
Unlimited field space for self-contained units:
$10.00 per day for full hook-ups (lights, water & sewer)
$5.00 per day for water & lights
$5.00 per day for tents, etc.

ATTENTION MOTOR HOMES: If you must drive your motor home away from your campsite, please notify the camping committee chairman, TOMMY BRIDGES, K4GNR, and receive your "Campsite Occupied" sign.

FLEA MARKET:
Charges: One admission ticket for a 10 foot space, plus one additional ticket for each additional 10-feet of space used. Gates open at 6:00 a.m. Saturday and Sunday.

(ALL VEHICLES entering Flea Market area will have to pay an additional $3.00 charge.) There is approximately two acres of NEW Flea Market space near the flea market entrance gate.

ACTIVITIES:
For all ladies on Sunday morning following Sunday School. Sunday School to be held Sunday morning at Hamfest grounds at 10:00 A.M.

TALK-IN 146.28/88

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147.225	145.45
224.26	444.10

Dial *911 For Durham Emergency
Dial *914 For Highway Patrol-Raleigh
DFMA Meets Second Tuesdays at 6 PM
147.225: Home of the "Possum Trot Net"
6:15 - 7:15 AM Monday - Friday

Did You Know - SERA Maintains a Database of over 1,600 Repeaters and Over 10,000 SERA Members Past & Present!

146.970 — 146.895 — 444.950

VIRGINIA BEACH EMERGENCY
AMATEUR REPEATER SOCIETY

WA4KXV
Repeaters by the Sea

145.01 — 145.67 — 224.52

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WF1G

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Mountain Lke
Pembroke, Va
WZ8E
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146.955
Oneida Peak
Bluefield, Va.
WZ8E
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147.030
Herndon Mt.
Mullens, Wv.
KC8IT
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147.270
Poor Mt.
Roanoke, Va.
KB4QWO

224.120
Huff Knob
Flat Top, Wv.
WF1G
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444.000
Herndon Mt.
Mullens, Wv.
KC8IT
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Keeney Mt.
Alderson, Wv.
WF1G
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WZ8E
--
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Lick Knob
Beckley, Wv.
WF1G

442.300
Bolt Mt.
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AA8BS

W4CA

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Address____________________________Date__________
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RJ 8-93

SERA Repeater Journal
Hamfest Calendar

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AUGUST 1993

7	Tri-State ARA Hamfest/Computer Show, HUNTINGTON, WV
7-8	5th Annual High Point RC Hamfest, HIGH POINT, NC
8	43rd Annual Winchester Hamfest, BERRYVILLE, VA
8	Mid-Ohio Valley ARC Hamfest, PARKERSBURG, WV
13-15	ARRL Nat'l Conv & Hamfest, HUNTSVILLE, AL
21	Hamfest, SPRUCE PINE, NC
22	Hamfest, MARYSVILLE, OH
28	Confederate Signal Corps Hamfest, MADISON, GA
29	Short Mt. Rep Club Hamfest, CEDARS OF LEBANON, TN

SEPTEMBER 1993

4-5	36th Annual Hamfest, SHELBY, NC
11	Statesboro ARS Hamfest, STATESBORO, GA
11-12	Hamfest, MELBOURNE, FL
12	Foundation AR Hamfest, GAITHERSBURG, MD
18	Ascension ARC Hamfest, GONZALES, LA
18	Tailgate Swapfest, RUSTON, LA
25	Lanierland ARC Hamfest, GAINSVILLE, GA
25	Danville/South Boston 2nd Annual Hamfest, DANVILLE, VA
25	Hamfest, ANNISTON, AL
25	TARA, Hamfest, HUNTINGTON, WV
25-26	Hamfest, LOUISVILLE, KY
26	Falls Lake ARC 2nd Annual Swapfest, BUTNER, NC
26	Hamfest, PORT RICHEY, FL

OCTOBER 1993

2	Hamfest, TITUSVILLE, FL
2	Hamfest, BOAZ, AL
2	42nd Annual Hamfest & Computer Fair, ROCK HILL, SC
2-3 (Note New Date)	Hamfest/Computer Show, VIRGINIA BEACH, VA
2-3	Miss. Coast ARA 17th Annual Ham/Swapfest, BILOXI, MS
3	Hamfest, ROME, GA
8-9 (Fri eve-Sat)	40th Annual Hamfest/Computer Show, AUGUSTA, GA
9-10	"Memfest '93" - Delta Division ARRL Conv./Hamfest, MEMPHIS, TN
10	Hamfest, MAYSVILLE, NC
10	17th Annual CARA Hamfest, HOWARD CTY, MD
16	2nd Black Warrier Swapfest, TUSCALOOSA, AL
16	Tri-Cities Hamfest, GRAY, TN
16	CCARS Fall Festival and Hamfest, SANFORD, NC
16	Hamfest, STARK, FL
23	Hamfest, WAYCROSS, GA
23	Hamfest, SUMTER, SC
23-24	Hamfest, CHATTANOOGA, TN
23-24	Hamfest, MOBILE, AL
23-24	Palm Beach RA Hamfest, W. PALM BEACH, FL
30	Swapfest '93, FOREST CITY/RUTHERFORDTON, NC

NOVEMBER 1993

6-7	Ham Radio/Comp. Expo '93, LAWRENCEVILLE, GA
6-7	Hamfest, FT. LAUDERDALE, FL
7	Hamfest, CONCORD, NC
13	Hamfest & Computer Expo, MYRTLE BEACH, SC
13	TVARN Hamfest, COOKVILLE, TN
13	Twin City Hams Hamfest, WEST MONROE, LA
13-14	Indiana State ARRL Conv, Hamfest, FT. WAYNE, IN
14	16th Annual Hamfest, MONTGOMERY, AL
20-21	Suncoast Conv. '93 TAMPA, FL
21	5th Annual JARSFEST, BENSON, NC
27-28	Hamfest, GREENSBORO, NC

DECEMBER, 1993

4	Wiregrass ARC Hamfest, DOTHAN, AL
4	Hamfest, OKEECHOBEE, FL
5*	HolidayFest '93, LARGO, MD

IMPORTANT NOTICE: The Repeater Journal will publish our entire database of 1994 show listings in the November Journal. Sponsors are urged to get their 1994 dates to the editor by January 1, 1994.

Please note: Hamfest dates marked with an asterisk(*) are **NOT confirmed** and are based on information on record from the previous year's date, with no guarantee of accuracy. We acknowledge assistance in confirming dates from *AutoCall, TSRAC AR News Bulletin, The Magnolia Report,* our ARRL Directors, and the response of many clubs and individuals sponsoring hamfests this year.

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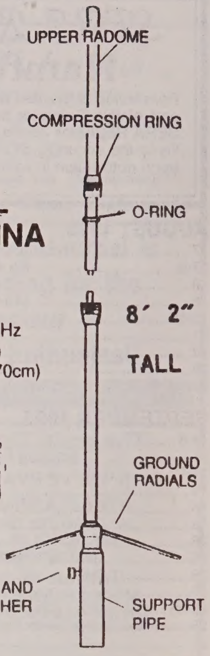
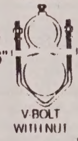
MODEL 410
DUAL BAND VERTICAL BASE STATION ANTENNA
2m / 70cm



SPECIFICATIONS:

FREQUENCY:	144-148 MHz, 435-450 MHz
GAIN:	6.0dB (2m), 8.0dB (70cm)
BEAMWIDTH:	42 Deg. (2m), 17.5 Deg.(70cm)
POWER:	200 Watts (Max.)
IMPEDANCE:	50 ohms
VSWR:	Less than 1.5:1
WIND RATING:	112 MPH (Max.)
MAST DIA.:	1-3/16" to 2-7/16"
LENGTH:	98.4"
WEIGHT:	2.6 lbs
CONNECTOR:	UHF



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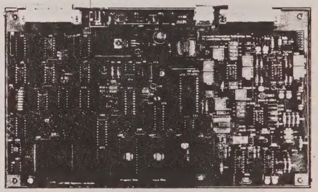
CAT-1000 Repeater Controller

The CAT-1000 is packed with features normally reserved for controllers costing thousands of dollars more. If you are in the market for a new controller and want too make every dollar count, the CAT-1000 is your only choice.



Features Include:

✓ Voice Synthesizer
✓ (475) Word Vocabulary
✓ (40) Voice Messages
✓ Digital Voice Clock
✓ Grandfather Clock
✓ (64) Control Functions
✓ (60) Position Scheduler
✓ (2) Voice Identifiers
✓ (2) CW Identifiers
✓ Full Feature Autopatch
✓ (300) User Speed Dials
✓ 300 baud Modem
✓ DTMF Key Pad Test
✓ Two-Tone Paging
✓ DVR Controller Ready *
✓ (40) Macro Commands
✓ (8) Memory Saves
✓ (8) Hardware Inputs
✓ (10) Courtesy Tones
✓ Reverse Autopatch
✓ (10) Emergency Speed Dials
✓ LiTZ Emergency Alert
✓ (8) Remote Control Switches
✓ Link (Backbone) or Remote Base
✓ DTMF Repeater Access
✓ RS-232 and TTL Computer Interface
✓ TS-440 HF Remote Base Control
✓ Programmable Prefix Codes and Timers
✓ Link Tuning (40) Preset Frequencies *

* Requires MF-1000 Serial Interface Card $59.00

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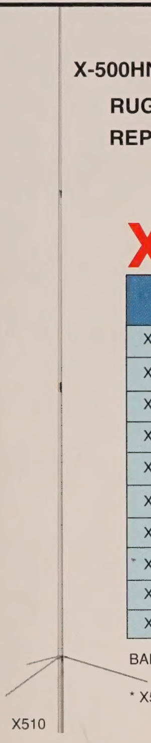
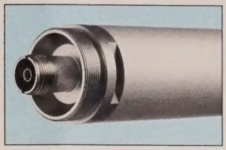


X-500HNA

**RUGGEDIZED BASE／
REPEATER ANTENNA**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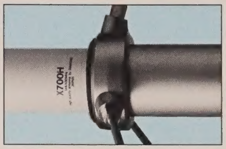

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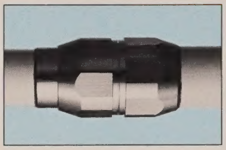
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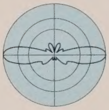
X series

MODEL	BAND(MHz)	GAIN(dBd.)	WATTS	CONN.	HT. Ft.	RATED WIND/ MPH
X-50A	144/440	4.5/7.2	200	UHF	5.6	135
X-200A	144/440	6.0/8.0	200	UHF	8.3	112
X-300A	144/440	6.5/9.0	200	UHF	10.2	112
X-510NA	144/440	8.3/11.7	200	N	17.2	90
X-510MA	144/440	8.3/11.7	200	UHF	17.0	90
X-500HNA	144/440	8.3/11.7	200	N	17.8	90+
X-700HA	144/440	9.3/13.0	200	UHF	24.0	90
X-2200A	144/222	6.0/7.8	150	UHF	11.5	112
X-3200A	144/222/440	6.0/7.8/8:0	100/200	N	10.5	112
X-6000A	144/440/1240	6.5/9.0/10.0	100/100/60	N	10.5	112

BAND: 144=144 - 148MHz. 222=222 - 225MHz. 420=420 - 430MHz.
430=430 - 440MHz. 440=440 - 450MHz. 1240=1240 - 1300MHz.
* X510NJ :144 - 147 / 430 -440MHz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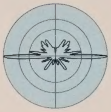
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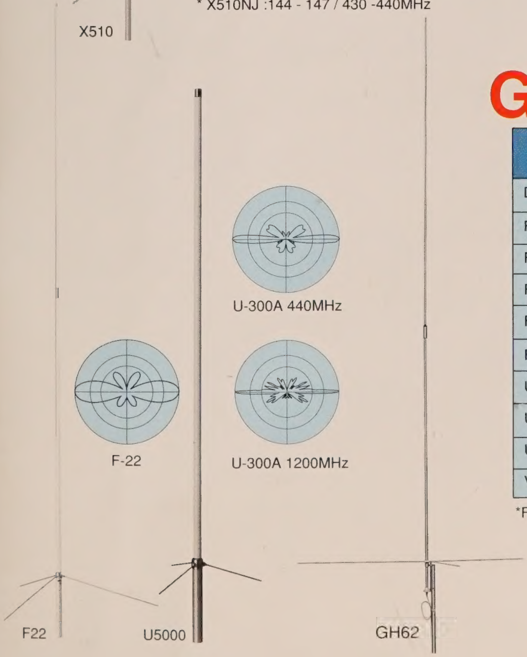

GH/F/U&V series

MODEL	BAND(MHz)	GAIN(dBd.)	WATTS	CON N.	HT. Ft.	RATED WIND/ MPH
DP-GH62	50	6.0	200	UHF	21.0	78
F-22A	144	6.7	200	UHF	10.5	112
F-23A	144	7.8	200	UHF	15.0	90
F-142A	222	5.5	200	UHF	6.0	110
F-718A*	440	11.5	250	N	15.0	110
F-1230A	1240	13.5	100	N	10.5	90
U-200A	440/1240	8.3/11.7	100	N	5.9	135
U-300A	440/1240	8.6/13.2	100	N	8.3	110
U-5000A	144/440/1240	4.5/8.3/11.7	100	N	5.9	135
V-2000A	50/144/440	2.1/6.2/8.4	150	UHF	8.3	110

*F-718A:440 - 450MHz, F-718J:430 - 440MHz, F-718L:420 - 430MHz

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